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ABSTRACT

This study analyzed data from the Scholastic Aptitude Test (SAT) taken between 1977 and 1988 to study trends in the numbers, test scores, and other characteristics of high school seniors planning to major in math, science, or engineering, and to compare these data with comparable data from examinees planning to major in other fields. Results indicated that: (1) the total test-taking population declined in number until 1983 and has since been increasing; (2) the percentage of examinees who planned to major in math, science, or engineering increased from 24% to 29% of the examinee population; (3) in 1988 examinees planning to major in math, science, or engineering obtained a mean verbal score 18 points higher and a mean mathematics score 31 points higher than the population average; (4) among students planning to major in math, science, or engineering, the mean mathematics score declined until 1981, increased until 1985, and declined thereafter; (5) among examinees who identify themselves as white and who plan to major in math, science, or engineering, there has been a differences of nearly a standard deviation between the mean mathematics scores of males and females; sex differences were not as great among black examinees; and (6) among examinees who identified themselves as black and who plan to major in math, science, or engineering, the mean mathematics score for males rose 18 points, and the mean for females rose 20 points. Appendices include Student Descriptive Questionnaires and definitions of major field categories in Science and Non-Science Tables. (MKR)

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RR-89-24

RESEARCH REPORT

ED 376 079

TRENDS IN SAT SCORES AND OTHER CHARACTERISTICS OF EXAMINEES PLANNING TO MAJOR IN MATHEMATICS, SCIENCE, OR ENGINEERING

Jerilee Grandy

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Trends in SAT Scores and Other Characteristics of Examinees Planning to Major in Mathematics, Science, or Engineering

Jerilee Grandy
Educational Testing Service

March 1989

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CONTENTS

	Page
ABSTRACT	1
BACKGROUND	2
PURPOSE	5
METHOD	6
Major Field Definitions	6
Variables Analyzed	9
RESULTS	10
Trends in the Examinee Population	10
Numbers and Percentages of Examinees Planning to Major in Math, Science, and Engineering	12
Test Scores of Examinees Planning to Major in Math, Science, and Engineering	16
Other Characteristics of Examinees Planning to Major in Math, Science, and Engineering	22
Comparisons with Examinees Planning to Major in Non-science Fields	23
Results for Subpopulations	27
Relationships between Field of Study, Test Scores, and Educational Aspirations	38
REFERENCES	42
TABLES	43
APPENDICES	200

ABSTRACT

This study analyzed data from the Scholastic Aptitude Test (SAT) taken by high school seniors between 1977 and 1988. Its purpose was to study trends in the numbers, test scores, and other characteristics of examinees planning to major in math, science, or engineering, and to compare these data with comparable data from examinees planning to major in other fields.

The major findings were as follows:

1. The total test-taking population declined in number until 1983 and has since been increasing. The average SAT Verbal score also declined until 1981, then increased until 1986. Between 1986 and 1988 the Verbal mean declined 3 points. The mean Mathematics score declined until 1981 but rose 10 points from 1981 to 1988.

2. Between 1977 and 1988, the percentage of examinees who planned to major in math, science, or engineering increased from 24% to 29% of the examinee population. In recent years, the numbers planning to major in psychology and in the social sciences have shown especially large increases.

3. In 1988, examinees planning to major in math, science, or engineering obtained a mean Verbal score 18 points higher than the population average and a mean Mathematics score 31 points higher. Means for specific fields varied considerably. Examinees planning to major in physics, for example, obtained a mean Mathematics score 145 points above average, while those planning to major in sociology obtained a mean 44 points below the population average.

4. Among students planning to major in math, science, or engineering, the mean Verbal score declined until 1983, rose slightly in the next two years, and declined 5 points between 1985 and 1988. The mean Mathematics score declined until 1981, increased until 1985, and declined thereafter. Between 1987 and 1988, the mean Mathematics score dropped 6 points.

5. Among examinees who identify themselves as White and who plan to major in math, science, or engineering, there has been a difference of nearly a standard deviation between the mean Mathematics scores of males and females. The scores of females do not appear to be "catching up" with the scores of males. Sex differences are not as great among Black examinees as among White examinees.

6. Among examinees who identify themselves as Black and who plan to major in math, science, or engineering, the mean Mathematics score for males rose 18 points between 1977 and 1988, and the mean for females rose 20 points during that period.

BACKGROUND

High school seniors who take the Scholastic Aptitude Test (SAT) constitute a large population, many of whom become college freshmen shortly thereafter. While not all college students have taken the SAT and not all SAT takers become college students, there is sufficient overlap between SAT examinees and the college-going population to warrant serious study of the approximately one million high school seniors who take the SAT each year.

One advantage to studying the population of SAT examinees is that about 90% complete all or part of a background questionnaire entitled the Student Descriptive Questionnaire (SDQ) in which they specify the major field in which they intend to major. This information enables the researcher to follow trends in numbers of students planning to major in specific fields as well as trends in their test scores and other background data.

While there is no guarantee that examinees will actually major in the fields they specify, the choices they make when they take the SAT provide an indication of their interests at that time and reflect the decisions they have made thus far regarding their educational futures.

This report is the second in a series of ETS reports based on studies funded by the National Science Foundation to provide information for the NSF biennial publication entitled Science and Engineering Indicators. The first report presented trends from 1975 to 1986 in SAT data for seniors planning to major in math, science, or engineering, and it compared the data for those

students with corresponding data for students planning to major in other fields (Grandy, 1987). The 1987 report also presented data separately for White males, White females, Black males, and Black females. Because of their relatively small numbers, data for members of other ethnic groups were not analyzed separately.

The reader should keep in mind that some students do not answer the question on ethnic identity. The number as well as the characteristics of such students varies from year to year. Furthermore, we know that the average test scores of the members of any particular ethnic group who answer the ethnicity question are different from the average test scores of the same ethnic group omitting the ethnicity question. This issue has been discussed at some length by Wainer (1988). Interpretations of "trends" in the scores of any particular group must be qualified as trends in the scores of a <u>self-identified</u> group. When we speak of trends in the SAT Verbal score means of Black female examinees, therefore, we refer more specifically to trends in the SAT Verbal score means of <u>those students who identify themselves</u> as Black females. The simpler wording is used throughout this report, but the issue of non-response should always be kept in mind when interpreting statistics for subgroups.

Highlights from the 1987 report were as follows:

1. The number of examinees planning to major in math, science, and engineering increased until 1983 and showed a slight decline thereafter. Aerospace and electrical engineering as well as international relations showed steadily increasing interest, while interest in majoring in computer science rose sharply until 1983 and then declined 49% between 1983 and 1986.

2. Examinees planning to major in math, science, and engineering in 1986 obtained SAT Verbal scores averaging 19 points higher than the average for all examinees, although the means varied greatly depending upon the specific major field choice.

3. The average SAT Mathematics scores of examinees planning to major in math, science, and engineering in 1986 were 38 points higher than the average for all test takers. There was considerable variation in the math aptitudes of examinees planning to study math, science, and engineering. The highest means were obtained consistently by those planning to major in physics. Those planning to major in agriculture, child psychology, general psychology, social psychology, sociology, law enforcement, and miscellaneous social sciences all had averages consistently below the mean for the examinee population.

4. Examinees intending to study pre-medicine, classics, comparative literature, philosophy, classical languages, Chinese, Latin, Russian, education of the gifted and talented, and mathematics education had higher means in SAT Mathematics than those interested in math, science, and engineering.

5. The Verbal and Mathematics scores of examinees interested in computer science declined 26 and 40 points respectively between 1977 and 1986.

6. In 1986, there were still more male than female examinees interested in math, science, and engineering, and females did not seem to be catching up with males in terms of their interest in majoring in these fields.

7. Female examinees planning to major in electrical, mechanical, and civil engineering had higher average SAT Mathematics scores than male examinees interested in these fields.

8. Mean SAT Mathematics scores of examinees who identified themselves as Black and indicated that they plan to major in math, science, and engineering rose considerably between 1977 and 1986, especially among those planning to major in mathematics or statistics.

PURPOSE

The purpose of the present study was to add two more years of data to the earlier analyses and to answer the following questions:

1. How have examinees' interests in majoring in math, science, and engineering changed since 1977?

2. How have test scores and other characteristics of examinees planning to major in math, science, and engineering changed since 1977?

3. How do examinees planning to major in math, science, and

engineering currently compare with examinees planning to major in various other fields?

4. How do male and female examinees currently differ in their interest in majoring in math, science, and engineering, and how have these differences changed since 1977?

5. How do male and female examinees planning to major in math, science, and engineering currently differ in their test scores and other characteristics, and how have these differences changed since 1977?

6. How have Black examinees changed since 1977 in their interest in majoring in math, science, and engineering and in their test scores and background characteristics?

METHOD

The analyses included data on all high school seniors who took the SAT from 1977 to 1988.

Major Field Definitions

When examinees register to take the SAT, approximately 90% of them voluntarily fill out the SDQ which asks, among other things, in what field they intend to major. That question was first asked in 1975. In 1976 and again in 1986, the College Board revised the SDQ and changed many of the major fields. An unsuccessful attempt in 1976 to translate the major field codes so that those used in 1975 would be comparable to those in subsequent years resulted in the major field codes for 1976 being deleted from the files. Between 1975 and 1977, the definitions of many major fields changed enough to make trend analyses that included the 1975 data questionable. We have, therefore,

excluded 1975 data from the present study.

In 1986, the College Board again revised the major fields, adding many new ones and rewording old ones. Appendices A and B show the two versions of the SDQ, one for 1977 to 1985, and the other for 1986 onward. The major field codes are listed at the end of each SDQ. A major task in our previous study was to make the two versions of major field categories comparable and to map them on to the fields recognized by the National Science Foundation (NSF).

The major fields defining math, science, and engineering for this study were consistent with those published by NSF (1983) in their Survey of Graduate Science and Engineering Students and Postdoctorates. The analyses broke down math, science, and engineering into ten different fields, with some of these being further divided into more detailed subfields as follows:

1. Mathematics and Statistics
2. Computer Science
3. Physical Sciences
    a. Astronomy
    b. Chemistry
    c. Physics
4. Architecture and Environmental Engineering
5. Engineering
    a. Aerospace Engineering
    b. Electrical Engineering
    c. Chemical Engineering
    d. Mechanical Engineering
    e. Civil Engineering
    f. Other or unspecified Engineering

6. Life Sciences

    a. Agriculture
    b. Biological Sciences

7. Earth and Environmental Sciences

8. Psychology

    a. Child Psychology
    b. General Psychology
    c. Social Psychology

9. Social Sciences

    a. Economics
    b. International Relations
    c. Law Enforcement
    d. Political Science
    e. Sociology
    f. Other Social Sciences

10. Interdisciplinary, unspecified, and other sciences

The non-science categories consisted generally of major fields attracting more than 3,000 examinees. Very small fields, such as philosophy, were grouped with similar small fields composing larger categories, such as "humanities." This study used the following non-science categories:

1. Pre-medicine
2. Other health fields
3. Prelaw
4. Humanities
5. History and culture
6. Foreign languages
7. Studio and performing arts
8. Communications
9. Business
10. Education
11. Vocational Fields
12. Other/missing/undecided

The reader may wish to combine the data for foreign languages with humanities and possibly the data from history and culture as well. It was not practical to break down each

category into all of its constituents, even though the results might have been of interest to specialists in those areas.

The last category contained primarily those who did not respond to the question on major field preference and those who marked "undecided." There was a minute number of "other" major fields not included in the first eleven categories.

Appendix C defines the correspondence between major fields listed in the SDQ and the major field categories as they appear in the tables for math, science, and engineering. Appendix D shows the correspondence for non-science major fields.

Variables Analyzed

This study reports trends from 1977 to 1988 in the following variables:

1. Number selecting each major field;
2. Percentage selecting each major field;
3. Mean and standard deviation of SAT Verbal score;
4. Mean and standard deviation SAT Mathematics score;
5. Mean self-reported high school grade in mathematics (through 1985 only);
6. Mean self-reported rank in high school class;
7. Percentage who intend eventually to receive a graduate degree.

Prior to 1986, the SDQ asked for the student's grade averages in various broad subject areas, such as English, Mathematics, and Physical Sciences. Beginning in 1986, these questions were changed so that they are no longer comparable to the earlier questions. Because only three years' data are available on the new questions, they have not been included in this study, though we have reproduced the "grade in mathematics" data from 1977 to 1985. Trends in grades from 1986 onwards will be added to the analyses in future studies.

Analyses included trends in all of these variables for White males, White females, Black males, Black females, "other" students, and all examinees combined. Analyses of the smaller ethnic groups would have produced unstable results because the numbers were so small. The "other" group simply contained all examinees who answered the major field question but were either members of a smaller ethnic group or did not respond to the ethnic identity question. In combination, their data are not especially meaningful, but they are included so that the totals for all examinees "add up."

RESULTS

The Tables in this report contain the detailed analyses. The findings discussed here are ones that have been of major public interest. The reader is encouraged to examine the tables carefully because they contain far more detailed information than the report can possibly cover.

Trends in the examinee population

The number of high school seniors taking the SAT was greater in 1988 than at any time in the previous eleven years. What was seen as a decline in the test-taking population after 1981 proved to be temporary. By 1984 the number began to rise, and in the five years from 1983 to 1988, the number of seniors taking the SAT increased by nearly 18%.

The SAT population can be expected to grow when the population of high school seniors grows or when a larger than usual proportion of the senior class takes the SAT. In the latter case, there are likely to be more low-scoring examinees

taking the test than there are in years when only a small portion of the senior class takes it. Consequently, as the SAT population increases in numbers, the average test score may decline. (See Beaton, Hilton, and Schrader, 1977.)

Trends over the past eleven years provide a rough fit to this inverse relationship between population size and Verbal score average. Between 1977 and 1981, the SAT population increased by a small amount (1.4%), and SAT Verbal scores declined 5 points. After 1981, the population decreased for two years and Verbal scores rose a point or two. From 1983 to 1988, the population increased, but the Verbal scores first rose then declined. In the last two years, the population has grown by 13.4%, and the Verbal score average has declined 3 points.

Differences in the trends of the four ethnicity-by-sex subgroups were considerable. The average Verbal score of White male examinees increased from 1980 to 1986 and then remained constant. Among White female examinees, the Verbal scores first increased and then declined 4 points in the past year. The Verbal scores of Black male examinees increased 20 points from 1980 to 1986, then declined 4 points, and rose again to an all-time high. The Verbal scores of Black female examinees showed a steady rise of 22 points between 1981 and 1988. These trends cannot be explained by fluctuations in the growth of the SAT population because each ethnicity-by-sex subgroup showed a decline followed by an increase in numbers. The trends may, however, be affected by unknown patterns in non-response to the ethnicity item.

SAT Mathematics scores, in contrast to the Verbal scores, showed a continuing upward trend for the population as a whole. While the Mathematics score average declined between 1977 and 1981 as the population increased, it rose 10 points after that time. Even in the past two years, when the test-taking population increased so greatly and the average Verbal score declined, the average Mathematics score rose one more point.

The rise in Mathematics scores was quite large for Black students. After 1978, when Mathematics scores were at their lowest for Black students, the average Mathematics score for Black male examinees increased 23 points by 1988. Among Black female examinees, it increased 29 points. The scores of White female examinees increased 10 points between 1982 and 1988, but the average score for White male examinees increased until 1987 and then declined 2 points in the last year.

The inverse relationship of population size to test score may apply in the absense of other interventions. Both the test scores and the numbers of Black examinees have risen considerably in recent years, suggesting that curricular changes and special enrichment programs may be responsible for the trends observed in the scores obtained by these subpopulations.

Numbers and percentages of examinees planning to major in math, science, and engineering

In terms of absolute numbers, a greater number of examinees planned to major in math, science, and engineering in 1988 than at any time over the previous eleven years. In 1979 the figure was under 240,000; by 1988 it had risen to over 330,000. This

increase was not so dramatic as it might appear, however, because there was also an increase in the total number of examinees taking the SAT during those years, from just under 980,000 to more than 1.13 million. A more meaningful statistic to observe over time, therefore, is the percentage of total test-takers who chose math, science, and engineering. That percentage increased from 24% in 1977 to 31% in 1983. It then declined slightly over the next two years but increased to 29% in 1988. Overall, therefore, between 1977 and 1988, examinees showed increasing interest in majoring in math, science, and engineering.

Interest in the individual areas of math, science, and engineering followed different trends. The area attracting the most students--engineering--showed increasing interest from 1977 to 1982. After that time, the percentage of students planning to study engineering leveled off at about 10% of the total examinee population.

The percentages of examinees planning to major in architecture and environmental engineering, psychology, and social sciences all showed increases over the eleven year period. Interest in math and statistics steadily declined from 1.3% of the examinee population in 1977 to only 0.6% in 1988.

Examinees planning to study computer science rapidly increased in number until 1983 and decreased just as rapidly thereafter. The proportion of the examinee population choosing computer science rose from 1.3% in 1977 to a maximum of 7.5% in 1983 and decreased to 2.7% by 1988.

Interest in the physical sciences remained about constant, with only slight fluctuations in numbers over the eleven-year

period. About 0.8% of the examinee population indicated, each year, that they planned to major in one of the physical sciences.

Examining the individual science fields in closer detail, we find that among the physical sciences, chemistry has consistently attracted more students than have physics or astronomy. In recent years, however, students have shown increasing interest in astronomy and declining interest in chemistry. Interest in physics has remained about constant.

Within the life sciences, there was a declining interest in majoring in agriculture from 1977 to 1985, but since that time numbers have risen. Selection of a major in the biological sciences also declined until 1985 and then rose. In 1988, 2.4% of the examinee population chose biological sciences.

Psychology and all of the social sciences have been attracting increasing numbers of students in recent years. The number of examinees planning to major in general psychology (which includes experimental and clinical) has doubled since 1983. The number choosing child psychology rose 41% in the last two years. Social psychology, which had maintained fairly constant numbers from 1977 to 1985, declined in interest in 1986 but has been increasing since that time.

In 1988, the social sciences overall attracted more than 5% of the examinee population. Interest in international relations has grown steadily over the eleven-year period, with numbers more than tripling during that time. With the exception of international relations, most of the social sciences declined in popularity by about 1983, but since that time, students have

shown increasing interest in economics, law enforcement, political science, and sociology. The number planning to major in law enforcement has more than tripled since 1982. Those interested in sociology have nearly doubled since 1983, and the number selecting economics has grown 37% since 1983.

The two remaining science fields--architecture and environmental engineering, and earth and environmental science--declined in interest until 1984 but attracted increasing numbers of examinees in the last four years. In both fields, numbers rose 72% between 1984 and 1988.

In 1988, nearly one-fifth of the examinees planning to major in engineering did not indicate a specific area of engineering. For the present analyses, statistics on those students were included with "other" engineering. About one-half of the "other" engineering category consisted of these students. The remaining half consisted of students planning to study computer engineering, bioengineering, architectural engineering, and other engineering specialities.

Interest in majoring in aerospace engineering has outpaced interest in all other engineering fields over the past eleven years. Of the five largest engineering fields--aerospace, electrical, chemical, mechanical, and civil--aerospace engineering now leads in popularity among SAT examinees. In 1988, over 22,000 examinees planned to select this major. In fact, of all major fields in math, science, and engineering, only computer science, biological sciences, and general psychology attracted more students in 1988 than did aerospace engineering.

The number choosing electrical engineering increased until

1985 and has since declined. Some students who might have selected electrical engineering in the past, however, may have chosen computer engineering after 1985 because computer engineering was added as a new field on the SDQ in 1986, and the analysis reported here included it with "other" engineering.

The numbers selecting chemical and mechanical engineering both increased until 1982 and have declined since that year. In 1988, only 5% of all examinees planning to study engineering chose chemical engineering.

Test scores of examinees planning to major in math, science, and engineering

The mean SAT Verbal scores of all students planning to major in math, science, and engineering declined until 1983, rose slightly in the next two years, and declined 5 points between 1985 and 1988. In the SAT population as a whole, however, the average score dropped 3 points in the same three years. Thus, the decline for students planning to study math, science, and engineering probably reflects the decline shown for the entire population.

The 1988 Verbal score average for all examinees planning to major in math, science, and engineering was 446. Among all examinees who took the SAT that year, the mean was only 428. Thus, examinees planning to major in math, science, and engineering obtained average Verbal scores 18 points higher than the average for all examinees. That year, the range in the means among examinees planning to major in different areas of math, science, and engineering was 159 points, which is about one and

one half standard deviations. This suggests that the population who plan to study math, science, and engineering is quite heterogeneous with respect to verbal ability. Those planning to major in law enforcement obtained the lowest mean score, namely, 380; those interested in physics obtained the highest mean, namely, 539.

The trends in SAT Mathematics scores among students planning to major in math, science, and engineering were very similar to the trends in their Verbal scores. The average score reached a low of 507 in 1979 through 1981, then rose to 514 by 1985. Since that time, however, the mean score dropped back down to 507. Between 1987 and 1988, it declined 6 points. The following table shows the extent of the decline in SAT Mathematics score averages between 1987 and 1988, for each intended major field within math, science, and engineering:

Field	Score change	Field	Score change
Math/statistics	- 6	Agriculture	+ 3
		Biological Sci.	- 2
Computer science	- 6		
		Earth/env. sci.	- 1
Astronomy	-18		
Chemistry	- 9	Child psych.	+ 3
Physics	-17	General psych.	- 3
		Social psych.	+ 7
Arch./env. eng.	- 2		
		Economics	-10
Aerospace eng.	- 6	International rel.	- 4
Electrical eng.	- 9	Law enforcement	+ 1
Chemical eng.	- 6	Political science	- 2
Mechanical eng.	- 5	Sociology	+ 4
Civil eng.	- 4	Other soc. sci.	+ 7
Other, unspec. eng.	- 6		
		Interdisc.,other, or unspecified sci.	- 3

The mean Mathematics scores in 1988 also varied considerably among the specific science areas, ranging from only 410 for law enforcement to 621 for physics. In fact, the highest Mathematics scores have always been obtained by those planning to major in physics. The lowest scores have been earned by those planning to study law enforcement. In general, the science fields demanding the greatest quantitative skills attract examinees with the highest Mathematics scores, so it is important to realize that not all areas of science attract students who are mathematically inclined. The population planning to study math, science, and engineering is heterogeneous with respect to mathematical as well as verbal aptitude.

Figure 1 shows trends in SAT Mathematics score averages over the past eleven years for examinees planning to major in the four most quantitative areas: physical sciences, mathematics and statistics, engineering, and computer science. The lowest curve shows the trend for all SAT-takers.

Mean SAT Math Scores By Intended Major Field
(Highly Quantitative Sciences)

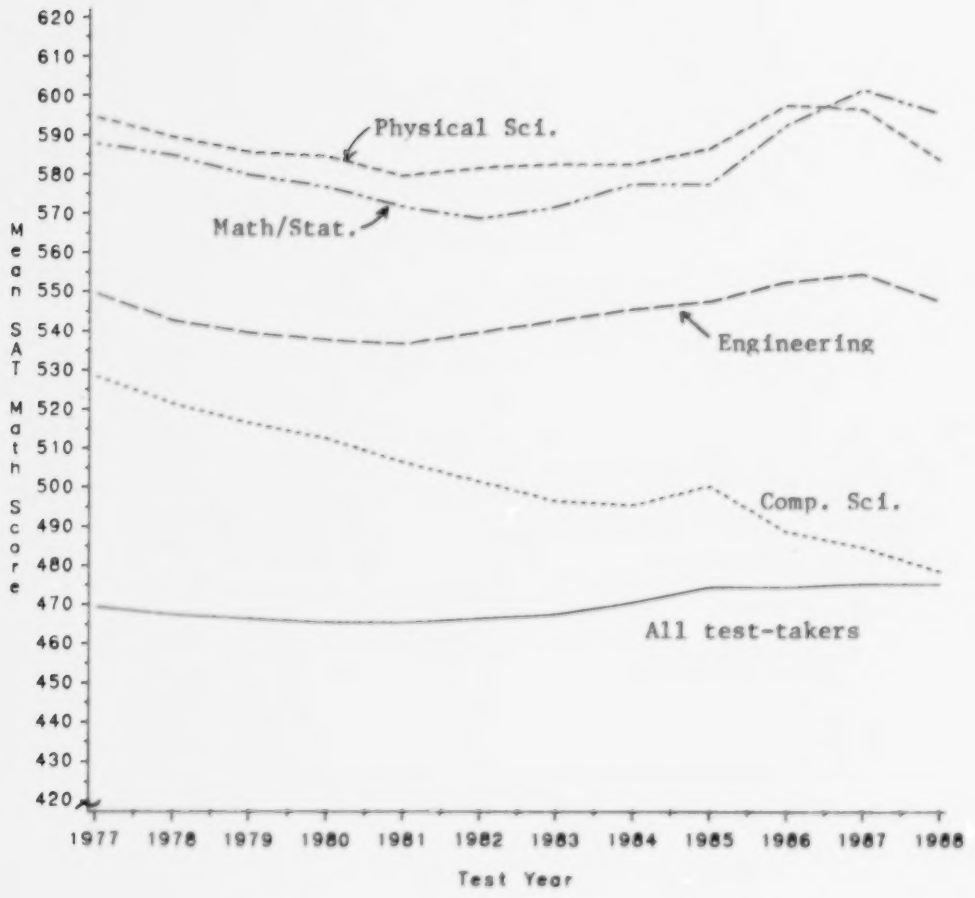


Figure 1

From the graph we see that among all test takers, the SAT Mathematics score average reached a minimum in 1981, when the mean was 466. It has since risen to 476. Examinees planning to major in the most quantitative sciences and engineering scored consistently above the population mean. Those interested in computer science, however, show rapidly declining Mathematics scores. The curve for that group appears to be converging with

the population mean.

The other three major field areas shown in the graph--math and statistics, physical sciences, and engineering--all show an S-shaped trend. Score averages first declined, then rose, and in the last year or two, declined again.

Figure 2 shows the trends for examinees planning to major in sciences that typically do not demand as much quantitative skill as the fields just discussed.

Mean SAT Math Scores By Intended Major Field
(Less Quantitative Sciences)

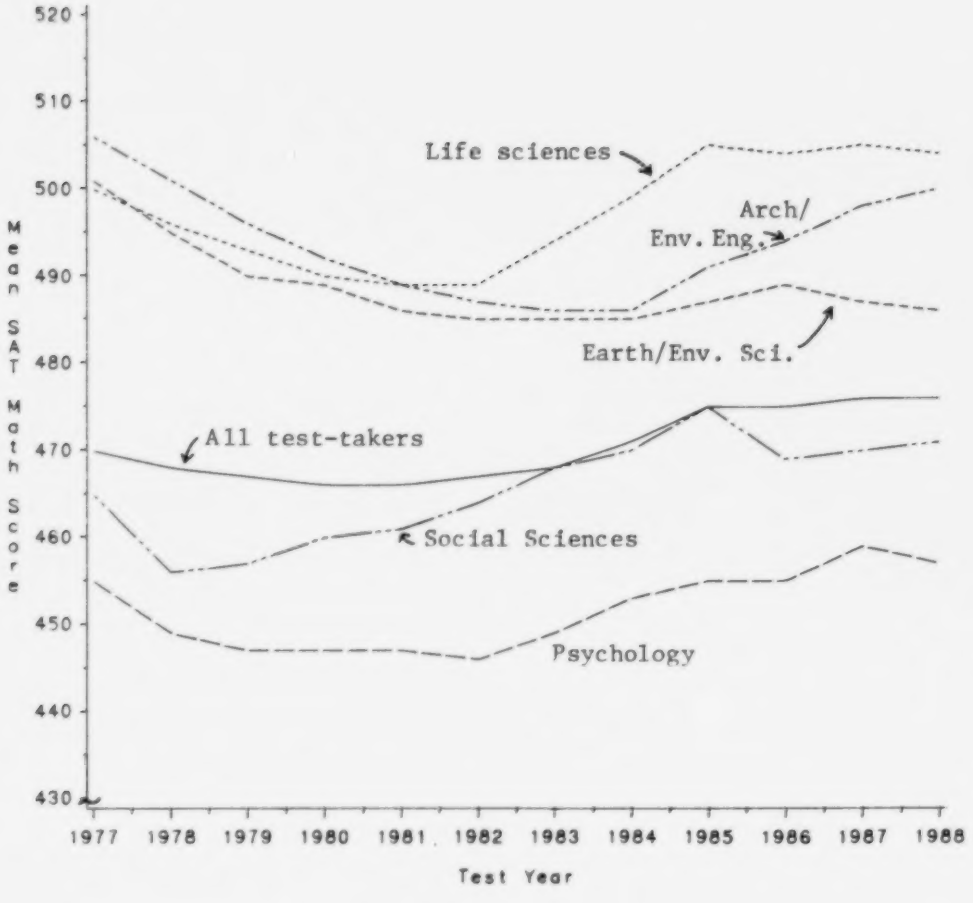


Figure 2

Students planning to major in three of the less quantitative sciences--life sciences, architecture and environmental engineering, and earth and environmental sciences--consistently obtained higher than average Mathematics score means. Mean scores for those planning to major in social sciences were generally lower than the average test-taker's score except in the

years from 1983 to 1985 when their scores were comparable to the population mean. Examinees planning to major in psychology consistently scored 15 or more points below the population average.

Other characteristics of examinees planning to major in math, science, and engineering

This study also analyzed the examinee's self-reported grade average in mathematics (from 1977 to 1985), rank in class, and educational aspirations.

The mean grade in mathematics showed virtually no change over the years for which it was available. There is no assurance, however, that grades are comparable from year to year because grades, unlike test scores, are not equated over time. Perhaps because of grade inflation and deflation as well as other factors, trends in grades are difficult to interpret. Comparisons of grade averages within the same year, across groups, are somewhat more meaningul to interpret. Among students planning to major in math, science, and engineering, mathematics grades were consistently higher each year than the mean for the entire population. Examinees planning to major in psychology or social sciences, however, obtained lower than average grades in mathematics just as they obtained lower than average SAT Mathematics scores.

The mean rank in class gives a different perpective on achievement, presumably integrating both the verbal and quantitative components of learning. Furthermore, it is a measure that is not affected by grade inflation. Among all

examinees planning to major in math, science, and engineering, the mean rank in class remained remarkably unchanged at about the 75th percentile over the past eleven years. The highest ranks were maintained among those interested in the physical sciences, especially physics, and in chemical engineering, mathematics, economics, and international relations. These were all fields attracting examinees with high grades and test scores as well.

Of those examinees planning to major in math, science, and engineering, 60 to 63% each year over the past eleven years indicated that they intended to obtain more than a bachelor's degree. Among the specific major fields, those fields attracting examinees with the highest aspirations tended to be the same fields that attracted examinees with the highest test scores and class ranks. In 1988, 87% of the prospective physics majors intended to obtain a graduate degree. On the other hand, only 37% of those interested in law enforcement and only 33% of those planning to study agriculture planned to attend graduate school.

Comparisons with examinees planning to major in non-science fields

The analyses discussed above indicated that the percentage of SAT examinees planning to major in math, science, and engineering was highest in 1983. At that time slightly more than 31.2% expressed an interest in math, science, and engineering. By 1986, that figure had dropped to 28.5%, but by 1988, it had again risen to 29.2%.

Among the non-science fields there was a considerable increase in interest in majoring in business. Here the figures

doubled, from 11.3% in 1977 to 21.7% in 1988. Interest in majoring in education increased over the past four years, from 3.8% of the SAT population in 1984 to 6.1% in 1988. Other fields, such as communications, also increased in popularity, but their numbers remained too small to have any noticeable effect on population statistics as a whole.

Student interest in pre-medicine showed a decline after 1984. Interest in other health fields declined from 11.4% to 7.6% of the SAT population in the past ten years.

It is perhaps unexpected that the SAT Verbal scores of prospective math, science, and engineering students should be higher than the average for test-takers as a whole, but this has consistently been the case. As we noted earlier, the mean Verbal score for all SAT examinees in 1988 was 428; for those planning to major in math, science, and engineering, the mean was 446.

If we rank order the average SAT Verbal scores for the broad major field groupings used in this study, we obtain the following:

Field	Mean SATV
*Interdisc/other sci.	527
Humanities	515
*Physical sciences	512
History/culture	491
Foreign languages	479
Pre-medicine	474
*Math/statistics	468
Prelaw	460
*Life sciences	459
*Engineering	454
*Earth/environ sci.	452
*Social sciences	448
Communications	447
*Psychology	433
Studio/perf. arts	429
ALL TEST-TAKERS	428
*Arch/environ eng.	426
"Other"/undecided	417
Other health	407
Education	407
Business	406
*Computer science	405
Vocational	387

The areas marked with an asterisk ('*') are included in math, science, and engineering. Architecture and environmental engineering and computer science were the only math, science, and engineering fields that attracted students with mean Verbal scores lower than the average for all test-takers. The category designated as "interdisciplinary/other sciences" consisted of a small number (fewer than 3,000) of examinees who chose unspecified physical or biological sciences. These students apparently intended to major in a science field but had not yet decided on a specific area of science.

The mean SAT Mathematics score in 1988 for examinees planning to major in math, science, and engineering was 507. The average for examinees overall was 476. The following table rank

orders the intended major fields by mean SAT Mathematics score:

Field	Mean SATM
*Interdisc/other sci.	597
*Math/statistics	596
*Physical sciences	584
*Engineering	548
Pre-medicine	534
Humanities	510
*Life sciences	504
*Arch/environ eng.	500
Foreign languages	499
History/culture	492
Prelaw	490
*Earth/environ sci.	486
*Computer science	479
ALL TEST-TAKERS	476
*Social sciences	471
"Other"/undecided	463
Business	461
Communications	461
*Psychology	457
Other health	452
Studio/perf. arts	449
Education	442
Vocational	433

There was a number of areas outside of the sciences that attracted examinees with high mathematical aptitude. Students interested in pre-medicine averaged 534, and students entering the humanities averaged 510. Foreign languages, history and culture, and pre-law also attracted examinees with higher than average Mathematics scores.

Grades in math, as we might expect, were also higher for examinees planning to major in math, science, and engineering. In 1985, the average overall self-reported math grade was 2.85 (on a 4-point scale), while the average for examinees planning to major in math, science, and engineering was 3.02. Overall math grade was not available after 1985.

Self-reported mean rank in class was also higher than average for examinees planning to major in math, science, and engineering.

A greater than average percentage of examinees planning to study math, science, and engineering indicated that they plan ultimately to obtain a graduate degree. In 1988, 63% of all SAT examinees planned to earn a graduate degree compared with only 56% of the total SAT population.

Among the non-sciences, less than half of all students intending to major in studio and performing arts, communications, business, education, or vocational fields planned to do graduate work. On the other hand, 97% of those intending to major in pre-medicine planned to go to medical or graduate school, and 85% of the examinees headed for pre-law intended to go beyond their bachelor's degree. Of those intending to study humanities, languages, and history, 64% indicated that they planned to continue to graduate school, and 63% of those interested in other health fields also anticipated doing graduate study.

Results for subpopulations

All of the analyses reported thus far were also conducted separately for White males, White females, Black males, and Black females. Because of the extensive quantity of information that might be compared and the limited extent of this report, only the major findings will be summarized here. Details can be deduced from the tables.

We noted earlier an increasing trend in the number (and percentage) of examinees planning to major in math, science, and

engineering until about 1983, after which time the numbers began to decline. Trend data for each of the four subpopulations suggests that after 1985, the percentage of male examinees continued to decline but not the percentage of female examinees. Females, especially Black females, showed increasing interest in majoring in math, science, and engineering after 1985. Figure 3 below compares these trends for the four groups studied.

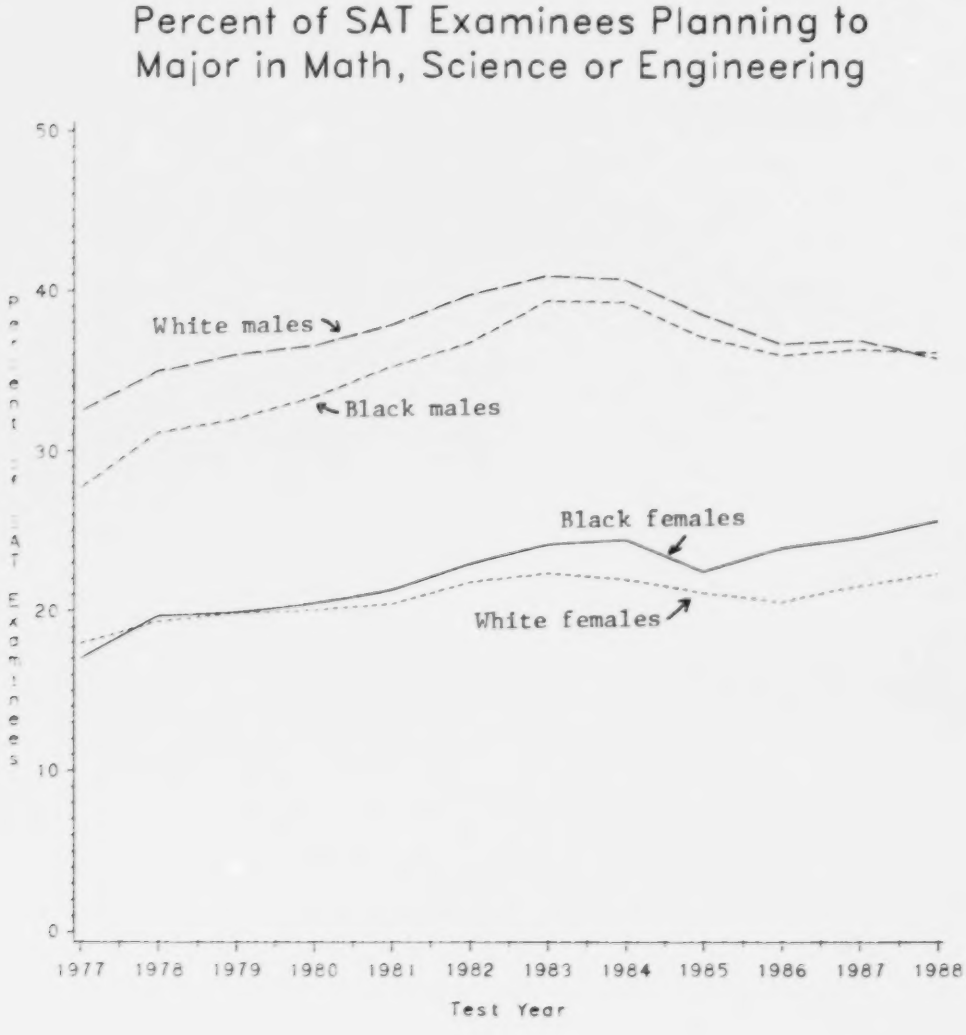


Figure 3

We can see from the graph that math, science, and engineering have consistently attracted fewer female than male examinees over the past eleven years. Before 1985, an increasing attraction to math, science, and engineering affected students of both races and sexes. Beginning in 1985, that interest began to increasing interest again, and by 1987, so did White female examinees. Interest among male examinees, however, both White and Black, continued a gradual decline. While White males are still the group most attracted to the sciences, they appear to be showing the greatest decline in interest. White females currently are the group least attracted to math, science, and engineering.

Among White examinees planning to major in math, science, and engineering, the trends in SAT Verbal scores between 1977 and 1988 were different for male and female examinees. The scores for White males dropped to a minimum in 1980 then rose 13 points to a maximum in 1987, finally dropping one point by 1988. The scores for White females dropped to a minimum in 1983-84, increased only 5 points by 1985, then dropped 7 points by 1988. In 1988, the mean Verbal score of White females planning to major in math, science, and engineering was lower than it had been in the previous eleven years studied. Furthermore, prior to 1984, females planning to major in math, science, and engineering obtained higher mean Verbal scores than males; beginning in 1984, the score averages of males were higher. In 1988, White males obtained an average Verbal score 9 points higher than the average for White females.

Mean Verbal scores for Black examinees planning to major in

math, science, and engineering showed an increase of 17 points for males and 6 points for females over the past eleven years. The scores fluctuated considerably over that period but appear to be increasing overall.

Among White examinees planning to major in math, science, and engineering during the past eleven years, there has been nearly half a standard deviation difference between the mean SAT Mathematics scores of male and female examinees. The greatest difference (51 points) was in 1987; the least was in 1984 (38 points). The trends for male and female examinees shown in Figure 4 do not suggest that the Mathematics scores of females are "catching up" with the scores of males.

Mean SAT Math Scores of Whites Planning to Major in Math, Science, or Engineering

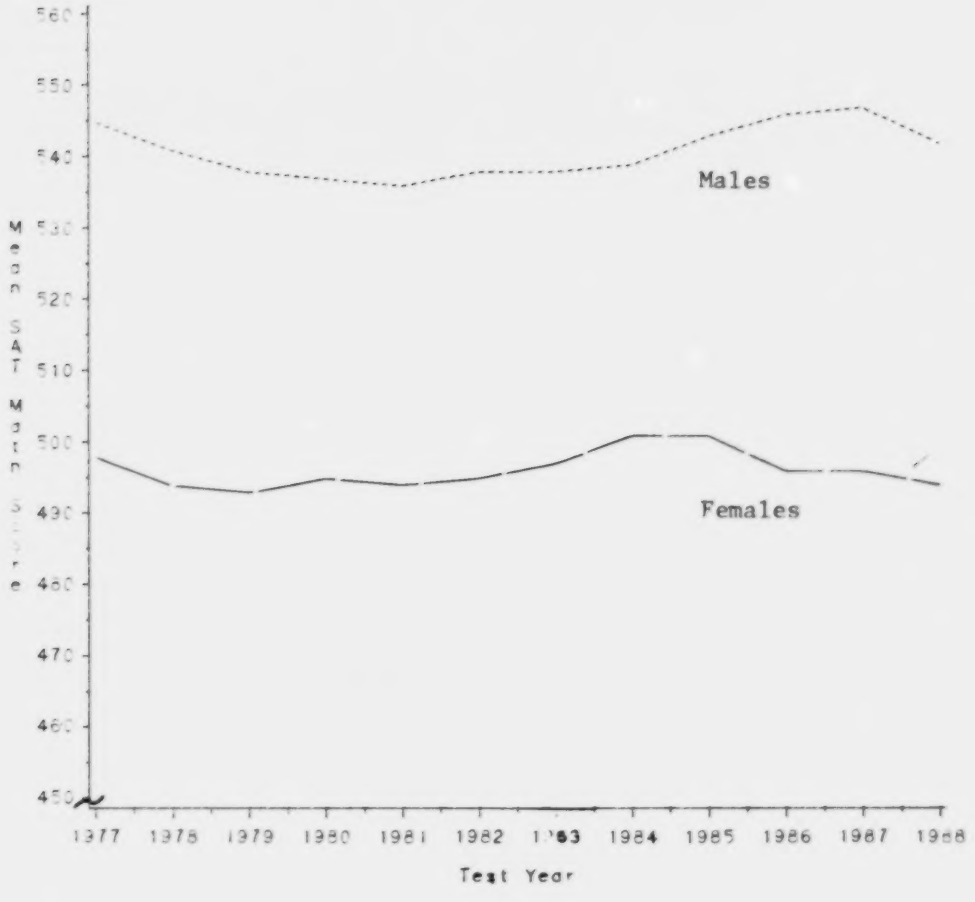


Figure 4

If we examine specific areas of math, science, and engineering, however, we find that among examinees planning to major in some fields, the average Mathematics scores of females have been nearly equal to or higher than the average scores of males. In recent years, among examinees planning to major in agriculture, the mean Mathematics score for White females has been essentially equal to the mean score for White males.

Figure 5 shows that among White examinees planning to major in architecture or environmental engineering, females scored higher than males after 1982.

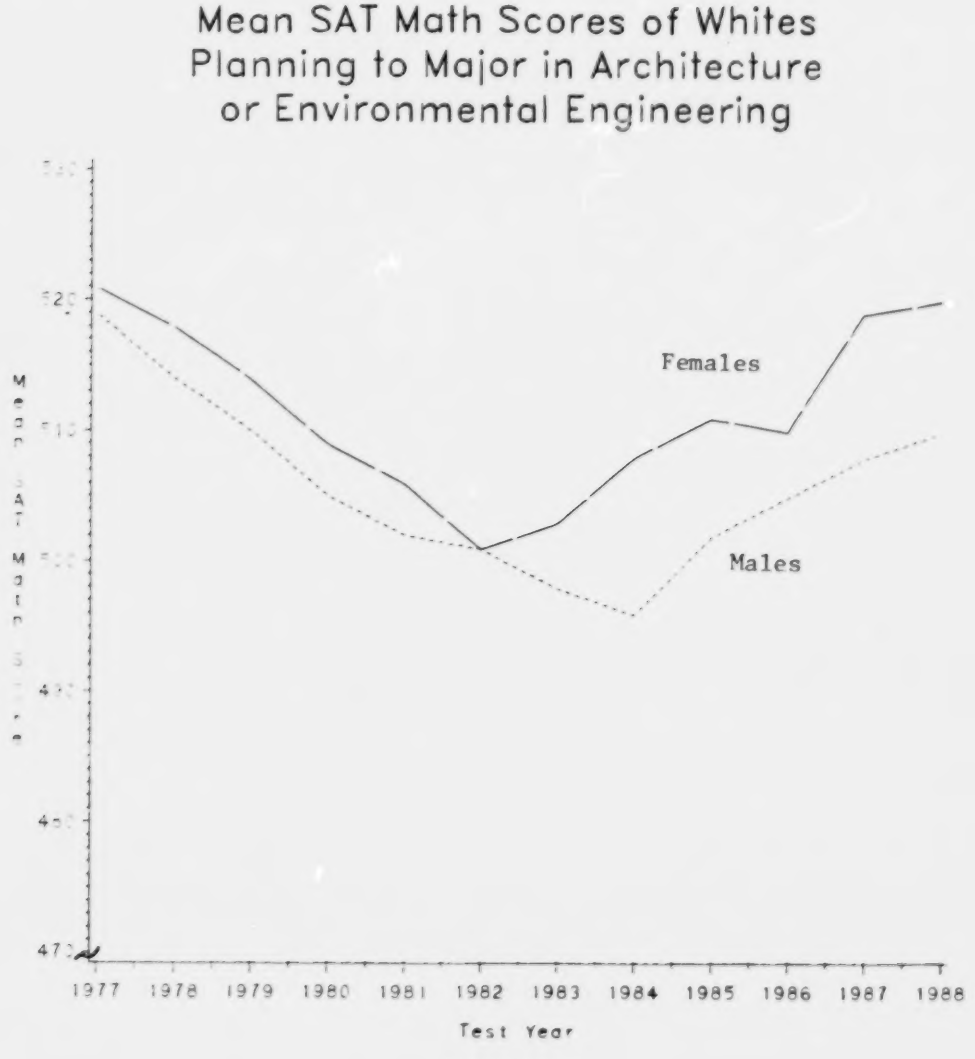


Figure 5

Figure 6 illustrates that prior to 1988, the mean SAT Mathematics scores for White females were consistently higher than the means for White males planning to major in engineering.

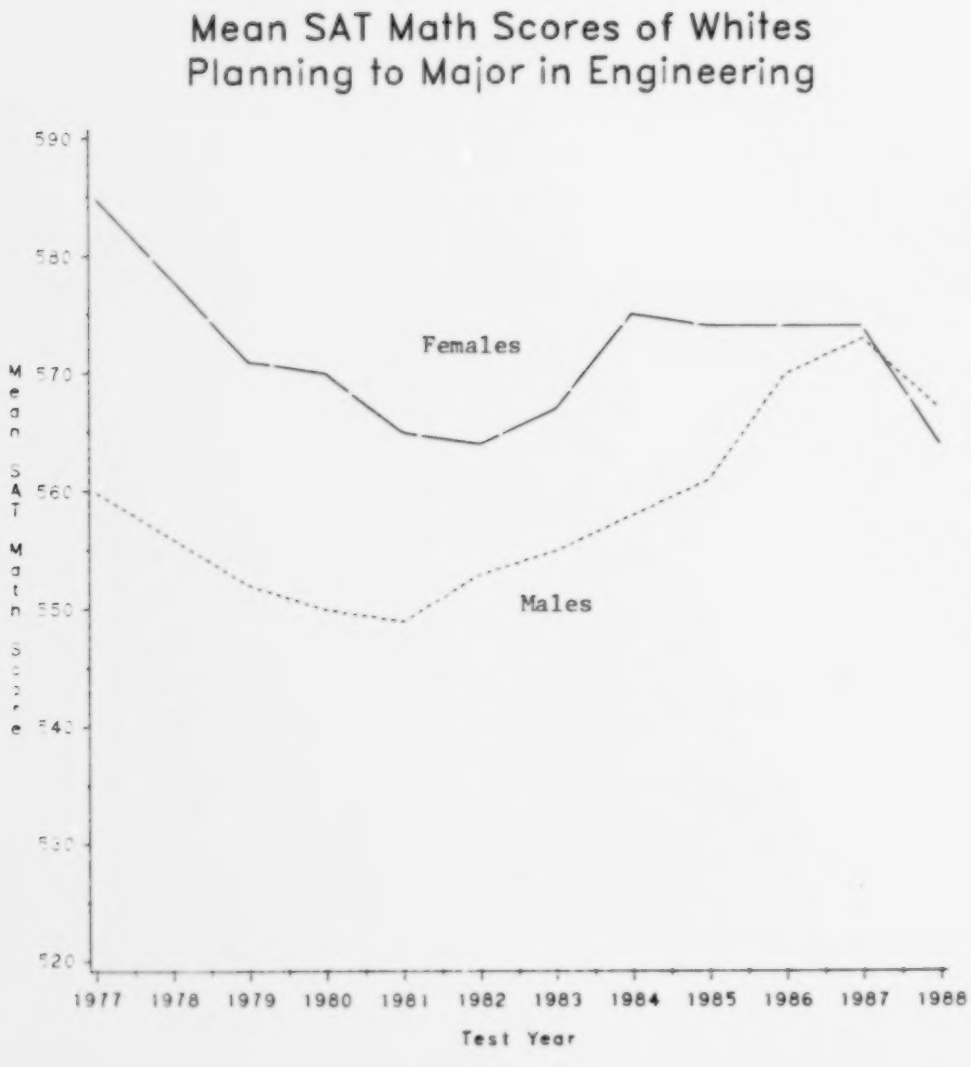


Figure 6

Not all areas of engineering showed females scoring higher than males, however. Males scored higher than females planning to study aerospace engineering and chemical engineering, but females intending to major in electrical, mechanical, civil, and "other" (i.e., unspecified or other) engineering fields scored higher than males. Females planning to study civil engineering continue (in 1988) to outperform males in SAT Mathematics by 17

points.

Sex differences among Black examinees are similar to the differences noted among White examinees. Figure 7 shows eleven-year trends for Black examinees planning to major in math, science, and engineering.

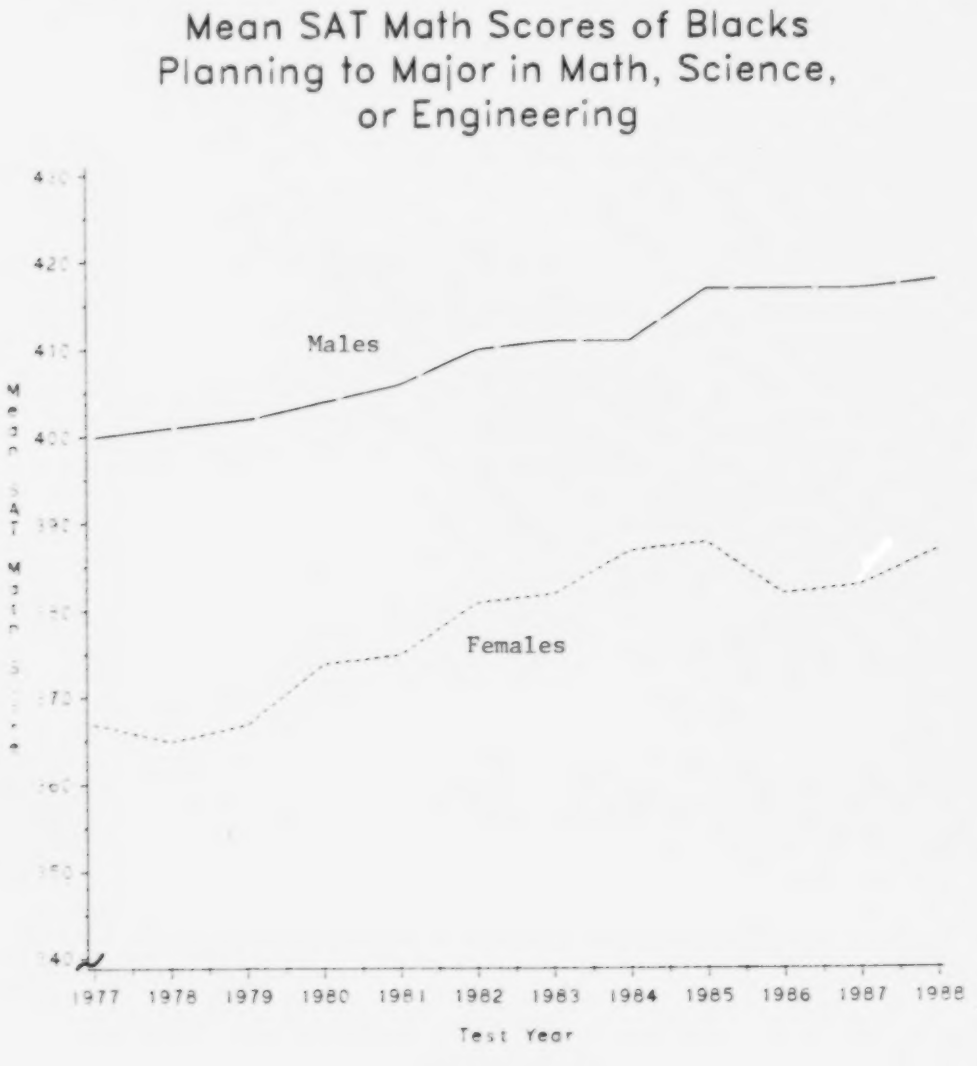


Figure 7

Among Black examinees planning to major in math, science, and engineering, mean SAT Mathematics scores showed an increase

over the past eleven years. The trend for females has been irregular, probably because of the small numbers of Black females planning to major in these areas. In 1985, for example, fewer than 11,000 Black females planned to major in math, science, and engineering, and in 1977, the number was just over 8,000.

The gap between the scores of male and female examinees in 1984 was only 24 points; in 1988, the gap was 31 points. Still, the difference in the mean Mathematics scores of male and female Black examinees is only about a fourth of a standard deviation. This is a smaller sex difference for Black examinees than for White examinees.

Figure 8 shows that among Black examinees planning to major in engineering, females scored higher than males, on the average, until 1986.

Mean SAT Math Scores of Blacks Planning to Major in Engineering

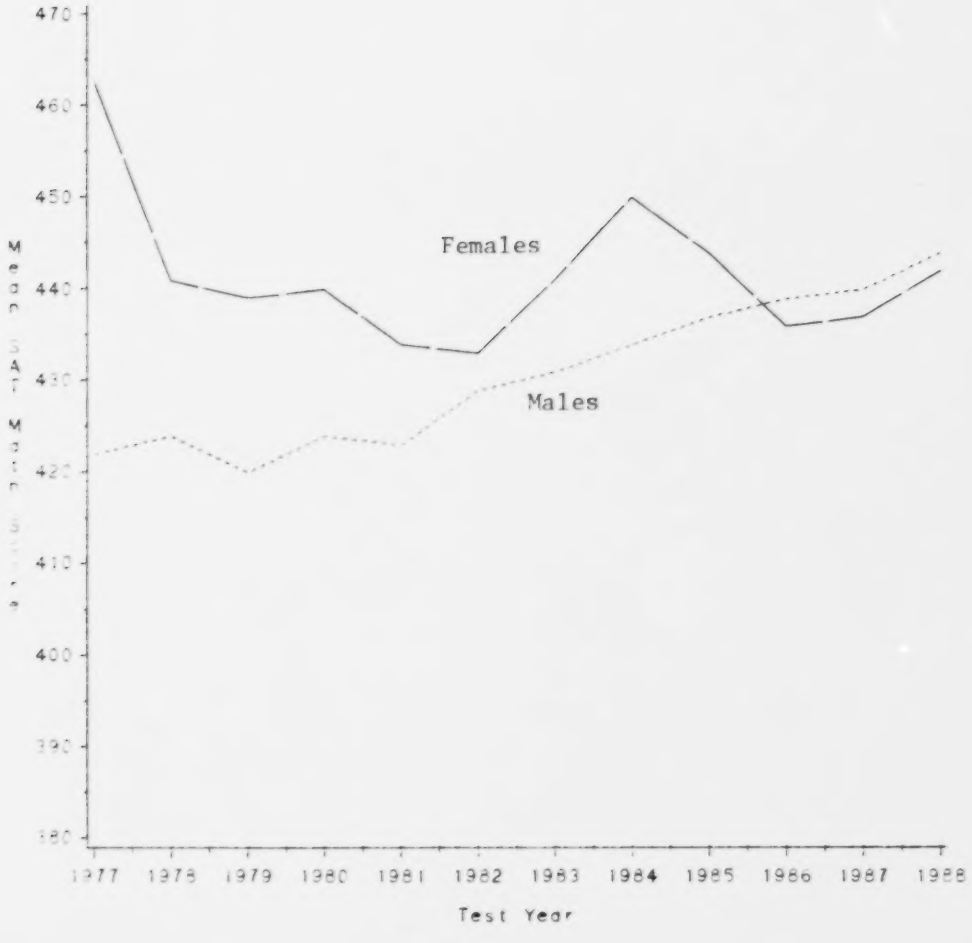


Figure 8

The pattern was nearly identical to the pattern for White examinees. Electrical, mechanical, and civil engineering have tended to attract females having Mathematics scores higher than males. Females planning to major in architecture or environmental engineering also have scored consistently higher than males, just as they have in the White population.

While the Mathematics score means for Black examinees are

still a standard deviation lower than the means for White examinees, the average for Black examinees planning to major in math, science, and engineering has risen considerably over the past eleven years. Between 1977 and 1988, the mean for Black males rose steadily from 400 to 418; for Black females, the mean increased from 367 to 387. No increase has occurred for White examinees.

While trends in grade average are not very useful, their relative rank orderings within the same year generally are useful. Comparing male and female examinees, research generally shows that within the same population, males tend to obtain higher test scores, while females obtain higher grades (Clark and Grandy, 1984). In fact, when test scores are held constant, women's grades are higher than men's, whether at the high school or college level. Conversely, if grades are held constant, men's test scores are higher than women's. When we analyze the grades and SAT scores of examinees planning to major in specific fields, we find that these patterns generally seem to hold.

In 1985 (the most recent year for which there are self-reported grades in mathematics recorded on the examinee's record), the average grade for females was higher than the average grade for males for every intended field of study within math, science, and engineering. It should be noted that the average math grade for all examinees interested in math, science, and engineering was very slightly higher for males than for females. This is probably because the proportions of males and females distribute differently over the science fields, with

females tending towards the less quantitative sciences, such as psychology, and males tending towards engineering. Nevertheless, for each and every intended major field, female examinees reported higher math grade averages than did male examinees.

The last variable to compare across subgroups is the educational aspirations of examinees planning to major in math, science, and engineering. Over the eleven-year period, a greater percentage of females than males aspired to earn a graduate degree, and that percentage showed an increase among White females. In 1988, 68% of both White and Black female examinees reported that they planned to earn a graduate degree. Among White males, the number was 59%, and among Black males, the figure was 56%.

Relationships between field of study, test scores, and educational aspirations

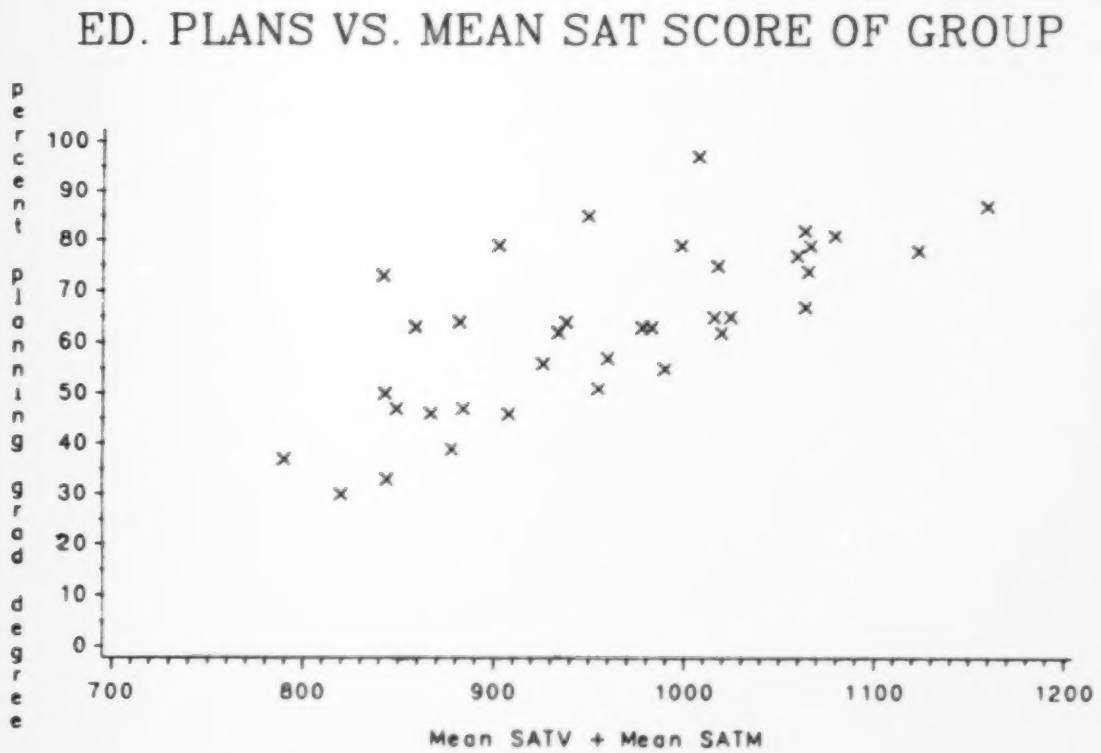
One interesting observation is an apparent association between test scores and educational aspirations. Such an association is not in itself surprising, i.e., we would expect the more academically able students to plan to do graduate work. While it is not surprising, it is worth noting that some fields attract examinees with higher educational aspirations than do other fields, and those same fields attract examinees with high test scores. Consider the mean test scores and the percentage of examinees planning to obtain a graduate degree for each detailed major field included in this study. In 1988, they were as follows:

Intended Major Field	Mean SATV	Mean SATM	Mean SATV+ Mean SATM	Percent Planning Grad. Degree
*Physics	539	621	1160	87
*Interdis./other sci.	527	597	1124	78
*International rel.	534	546	1080	81
*Economics	502	565	1067	79
*Chemical engineering	484	582	1066	74
*Astronomy	502	562	1064	82
*Math & statistics	468	596	1064	67
*Chemistry	495	565	1060	77
Humanities	515	510	1025	65
*Aerospace engineering	470	550	1020	62
*Political science	501	517	1018	75
*"Other" engineering	460	556	1016	65
Pre-medicine	474	534	1008	97
*Biological sciences	475	524	999	79
*Mechanical engin.	445	545	990	55
History & culture	491	492	983	63
Foreign languages	479	499	978	63
*Electrical engin.	428	532	960	57
*Civil engineering	430	525	955	51
Pre-law	460	490	950	85
*Earth & environ. sci.	452	486	938	64
*"Other" social sci.	457	477	934	62
*Arch./Environ. engin.	426	500	926	56
Communications	447	461	908	46
*General psychology	440	463	903	79
*Computer science	405	479	884	47
*Social psychology	428	454	882	64
Studio/performing arts	429	449	878	39
Business	406	461	867	46
Other health fields	407	452	859	63
Education	407	442	849	47
*Agriculture	404	440	844	33
*Sociology	411	432	843	50
*Child psychology	408	434	842	73
Vocational fields	387	433	820	30
*Law enforcement	380	410	790	37

This table shows the fields rank ordered from high to low by the sum of the SAT Verbal and Mathematics score means. Traditionally, when the two scores are added, the Verbal score is given a double weight (referred to as 2V+M). We have weighted them equally here because our primary interest is in major field

selection, and it is reasonable to assume that a student's choice of major field depends on quantitative skills to at least as great an extent as verbal skills.

An asterisk ('*') marks the fields within math, science, and engineering. The highest score averages were obtained by examinees planning to major in physics; the lowest were among those interested in law enforcement. Within math, science, and engineering the field having the highest percentage planning graduate study was also physics; law enforcement was next to the lowest. The correlation between these figures (between columns 3 and 4) was 0.72. The scatter plot below shows the relationship rather convincingly.



These relationships suggest that the academic field of study chosen by students depends to a great extent on their verbal and mathematical skills as well as their ability and willingness to pursue many years of formal education. One of the conclusions implied by the data is that high school seniors do have some understanding of the relative difficulty of the various major fields and the amount of education demanded by them. Because they complete the SDQ before taking the SAT, we know from these data that students must have fairly accurate knowledge of their own verbal and mathematical skills before they take the SAT and are already making choices about their major field of study and the amount of education they plan ultimately to obtain. Otherwise, we would not expect to find such consistency among test scores, educational plans, and major field choices.

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TABLES

The tables for this report are numbered sequentially according to the variable analyzed. For each table number there are six letters, A through F, corresponding to the group analyzed. The letters define the groups as follows:

A - All Examinees	D - Black Males
B - White Males	E - Black Females
C - White Females	F - "Other" Examinees

Tables numbered 1 through 17 present statistics for examinees planning to major in math, science, and engineering. Tables numbered 18 through 26 present the same statistics for all other examinees and for the total of all examinees. The variables presented in the tables are as follows:

Examinees planning to major in math, science, and engineering

1 - Number of examinees planning to major in math, science, and engineering (summary tables)
2 - Percentage planning to major in math, science, and engineering (summary tables)
3 - Number of examinees planning to major in math, science, and engineering (detailed tables)
4 - Mean SAT Verbal Scores (summary tables)
5 - Standard deviation of SAT Verbal Scores (summary tables)
6 - Mean SAT Verbal Scores (detailed tables)
7 - Standard deviation of SAT Verbal Scores (detailed tables)
8 - Mean SAT Math Scores (summary tables)
9 - Standard deviation of SAT Math Scores (summary tables)
10 - Mean SAT Math Scores (detailed tables)
11 - Standard deviation of SAT Math Scores (detailed tables)
12 - Mean grade in math (summary tables)
13 - Mean grade in math (detailed tables)
14 - Mean rank in class (summary tables)
15 - Mean rank in class (detailed tables)
16 - Percent who intend to receive a graduate degree (summary tables)
17 - Percent who intend to receive a graduate degree (detailed tables)

Examinees planning to major in non-science fields

18 - Number planning to major in non-science fields
19 - Percent planning to major in non-science fields
20 - Mean SAT Verbal scores
21 - Standard deviation of SAT Verbal scores
22 - Mean SAT Math scores
23 - Standard deviation of SAT Math scores
24 - Mean grade in math
25 - Mean rank in class
26 - Percent who intend to receive a graduate degree

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	13139	12515	10977	9985	9601	9274	9006	9589	9739	7647	7114	7122
COMPUTER SCIENCE	12754	17656	23848	29761	40956	56219	71866	69421	50613	36980	32819	30876
PHYSICAL SCIENCES	8673	9222	9362	9424	8946	8581	8030	8222	8536	8062	8742	9413
ARCHITECTURE/ENVIR. ENG.	14008	15289	15753	16878	16456	15329	13044	12734	13551	15592	19765	21940
ENGINEERING	63492	75015	83196	90876	96194	102393	98892	94452	92935	98354	108000	105392
LIFE SCIENCES	38740	38575	36283	33581	32537	30865	28724	28003	27356	30952	34409	36153
EARTH & ENVIRONMENTAL SCI.	12434	12803	12470	10766	10046	9250	7784	6658	6707	8116	9900	11479
PSYCHOLOGY	25329	28848	30037	29852	29122	28867	27493	28499	33707	35175	41926	47254
SOCIAL SCIENCES	46013	46766	43251	38808	36002	33520	31520	32789	34680	41937	50294	58576
INTERDISCIPL/OTHER SCIENCES	4839	5396	5328	4654	4099	3822	3511	3408	3195	2206	2185	2728
TOTAL OF SCIENCE, MATH & ENGINEERING	239421	262085	270505	274585	283959	298120	299870	293775	281019	285021	315154	330933

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	6396	5920	5081	4406	4234	3967	3774	3907	3881	3275	3112	3003
COMPUTER SCIENCE	6424	8486	11209	13547	18309	24673	32291	32788	25292	17625	15116	13308
PHYSICAL SCIENCES	5790	6022	6044	6032	5704	5301	4841	4880	5050	4848	5192	5341
ARCHITECTURE/ENVIR. ENG.	9255	9961	9980	10215	9985	9148	7866	7612	8143	9021	11600	12304
ENGINEERING	46935	54220	58963	62271	65284	68198	64935	61669	60369	61290	66754	62708
LIFE SCIENCES	16372	16197	15317	13876	13351	12551	11529	10862	10638	11668	12954	13449
EARTH & ENVIRONMENTAL SCI.	7929	8079	7719	6586	6087	5563	4652	3921	3752	4235	4945	5427
PSYCHOLOGY	4906	5043	4925	4651	4458	4397	4295	4457	5049	5315	6260	6927
SOCIAL SCIENCES	17532	16691	15179	13520	13002	12492	12373	12842	13653	16131	18975	21439
INTERDISCIPL/OTHER SCIENCES	3144	3453	3255	2851	2471	2268	1989	1867	1789	1231	1297	1609
TOTAL OF SCIENCE, MATH & ENGINEERING	124683	134072	137672	137955	142885	148558	148545	144805	137616	134639	146205	145515

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	5048	4886	4278	4080	3973	3912	3862	4287	4282	3147	2766	2728
COMPUTER SCIENCE	3221	4648	6585	8615	12093	17191	20659	17565	10413	6740	5505	5160
PHYSICAL SCIENCES	1696	1786	1912	1922	1851	1902	1840	1969	2048	1856	1959	2236
ARCHITECTURE/ENVIR. ENG.	2161	2392	2659	3019	2856	2722	2232	2229	2382	2781	3594	4279
ENGINEERING	4837	5993	7423	9082	10220	11917	11822	10820	10295	10343	11321	11546
LIFE SCIENCES	17066	16719	15630	14425	14034	13135	12202	11793	11493	12707	14164	14332
EARTH & ENVIRONMENTAL SCI.	3363	3474	3542	3091	2930	2772	2393	2080	2295	3052	3937	4678
PSYCHOLOGY	15198	17729	18915	19118	18965	19106	18360	19110	22807	23291	27606	30007
SOCIAL SCIENCES	19856	20565	19569	17527	15947	14641	13341	14092	14815	17532	21000	23497
INTERDISCIPL/OTHER SCIENCES	1113	1287	1418	1240	1088	1060	1010	1075	950	678	613	736
TOTAL OF SCIENCE, MATH & ENGINEERING	73559	79479	81931	82119	83957	88358	87721	85020	81780	82127	92465	99199

52

53

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	320	322	320	266	281	260	239	211	262	168	169	180
COMPUTER SCIENCE	812	1134	1329	1604	2217	2835	3919	4037	3251	2795	2884	2807
PHYSICAL SCIENCES	199	220	223	220	222	198	202	167	208	168	189	227
ARCHITECTURE/ENVIR. ENG.	730	868	879	985	922	900	763	712	700	764	942	1069
ENGINEERING	3649	4531	4924	5557	5642	5670	5488	5242	5122	5692	6527	7009
LIFE SCIENCES	817	852	826	770	754	740	630	649	586	667	799	975
EARTH & ENVIRONMENTAL SCI.	163	213	207	151	130	117	95	79	76	87	107	127
PSYCHOLOGY	666	668	642	611	506	468	414	422	480	506	599	777
SOCIAL SCIENCES	1346	1426	1283	1156	1080	963	861	891	872	1207	1572	2017
INTERDISCIPL/OTHER SCIENCES	73	93	93	53	74	57	50	42	47	25	27	38
TOTAL OF SCIENCE, MATH & ENGINEERING	8775	10327	10726	11373	11828	12208	12661	12452	11604	12079	13815	15226

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	404	385	343	321	263	258	234	268	320	215	216	216
COMPUTER SCIENCE	750	1112	1449	1896	2760	3678	4964	4890	3637	3360	3284	3411
PHYSICAL SCIENCES	138	180	162	174	151	158	161	184	165	130	146	202
ARCHITECTURE/ENVIR. ENG.	214	269	302	339	339	323	224	236	247	261	333	409
ENGINEERING	750	1010	1289	1655	1791	2074	1992	1958	1841	2306	2613	2817
LIFE SCIENCES	914	947	866	915	912	890	848	945	878	1134	1166	1288
EARTH & ENVIRONMENTAL SCI.	58	87	73	68	79	69	53	44	47	46	66	113
PSYCHOLOGY	2182	2619	2655	2589	2321	2050	1701	1711	1972	2150	2741	3514
SOCIAL SCIENCES	2749	3106	2804	2474	2132	1824	1480	1437	1542	2198	2747	3432
INTERDISCIPL/OTHER SCIENCES	57	76	49	69	51	51	45	40	49	29	20	28
TOTAL OF SCIENCE, MATH & ENGINEERING	8216	9791	9992	10500	10799	11375	11702	11713	10698	11829	13332	15430

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	971	1002	955	912	850	877	897	916	994	842	851	995
COMPUTER SCIENCE	1547	2276	3276	4099	5577	7842	10033	10141	8020	6460	6030	6190
PHYSICAL SCIENCES	850	1014	1021	1076	1018	1022	986	1022	1065	1060	1256	1407
ARCHITECTURE/ENVIR. ENG.	1648	1799	1933	2320	2354	2236	1959	1945	2079	2765	3296	3879
ENGINEERING	7321	9261	10597	12311	13257	14534	14655	14763	15308	18723	20785	21312
LIFE SCIENCES	3571	3860	3644	3595	3486	3549	3515	3754	3761	4776	5326	6109
EARTH & ENVIRONMENTAL SCI.	921	950	929	870	820	729	591	534	537	696	845	1134
PSYCHOLOGY	2377	2789	2900	2883	2872	2846	2723	2799	3399	3913	4720	6029
SOCIAL SCIENCES	4530	4978	4416	4131	3841	3600	3465	3527	3798	4869	6000	8191
INTERDISCIPL/OTHER SCIENCES	452	487	513	441	415	386	417	384	360	243	228	317
TOTAL OF SCIENCE, MATH & ENGINEERING	24188	28416	30184	32638	34490	37621	39241	39785	39321	44347	49337	55563

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	1.34	1.27	1.11	1.01	0.97	0.94	0.94	0.99	1.00	0.76	0.66	0.63
COMPUTER SCIENCE	1.30	1.79	2.41	3.00	4.12	5.69	7.47	7.20	5.18	3.70	3.04	2.72
PHYSICAL SCIENCES	0.89	0.93	0.94	0.95	0.90	0.87	0.83	0.85	0.87	0.81	0.81	0.83
ARCHITECTURE/ENVIR. ENG.	1.43	1.55	1.59	1.70	1.66	1.55	1.36	1.32	1.39	1.56	1.83	1.93
ENGINEERING	6.48	7.59	8.39	9.17	9.68	10.37	10.28	9.79	9.51	9.83	10.00	9.29
LIFE SCIENCES	3.96	3.90	3.66	3.39	3.28	3.13	2.99	2.90	2.80	3.09	3.18	3.19
EARTH & ENVIRONMENTAL SCI.	1.27	1.29	1.26	1.09	1.01	0.94	0.81	0.69	0.69	0.81	0.92	1.01
PSYCHOLOGY	2.59	2.92	3.03	3.01	2.93	2.92	2.86	2.95	3.45	3.51	3.88	4.17
SOCIAL SCIENCES	4.70	4.73	4.36	3.92	3.62	3.39	3.28	3.40	3.55	4.19	4.66	5.16
INTERDISCIPL/OTHER SCIENCES	0.49	0.55	0.54	0.47	0.41	0.39	0.36	0.35	0.33	0.22	0.20	0.24
TOTAL OF SCIENCE, MATH & ENGINEERING	24.45	26.50	27.29	27.71	28.58	30.19	31.16	30.46	28.75	28.48	29.17	29.17
PERCENTS ARE BASED ON A TOTAL N OF:	979273	988927	991257	990787	993385	987449	962210	964550	977357	1000747	1080426	1134364

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	1.67	1.54	1.33	1.17	1.12	1.06	1.04	1.10	1.09	0.89	0.79	0.74
COMPUTER SCIENCE	1.68	2.21	2.93	3.59	4.85	6.61	8.90	9.22	7.09	4.81	3.82	3.28
PHYSICAL SCIENCES	1.51	1.57	1.58	1.60	1.51	1.42	1.33	1.37	1.41	1.32	1.31	1.32
ARCHITECTURE/ENVIR. ENG.	2.41	2.60	2.61	2.71	2.65	2.45	2.17	2.14	2.28	2.46	2.93	3.03
ENGINEERING	12.25	14.15	15.43	16.52	17.31	18.26	17.90	17.35	16.91	16.72	16.88	15.45
LIFE SCIENCES	4.27	4.23	4.01	3.68	3.54	3.36	3.18	3.06	2.98	3.18	3.28	3.31
EARTH & ENVIRONMENTAL SCI.	2.07	2.11	2.02	1.75	1.61	1.49	1.28	1.10	1.05	1.16	1.25	1.34
PSYCHOLOGY	1.28	1.32	1.29	1.23	1.18	1.18	1.18	1.25	1.41	1.45	1.58	1.71
SOCIAL SCIENCES	4.57	4.36	3.97	3.59	3.45	3.35	3.41	3.61	3.82	4.40	4.80	5.28
INTERDISCIPL/OTHER SCIENCES	0.82	0.90	0.85	0.76	0.66	0.61	0.55	0.53	0.50	0.34	0.33	0.40
TOTAL OF SCIENCE, MATH & ENGINEERING	32.53	34.99	36.03	36.61	37.88	39.78	40.95	40.74	38.55	36.73	36.97	35.84
PERCENTS ARE BASED ON A TOTAL N OF:	383280	383173	382077	376858	377193	373421	362742	355433	356971	366553	395475	405962

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	1.24	1.20	1.04	1.00	0.97	0.97	0.99	1.11	1.11	0.79	0.65	0.62
COMPUTER SCIENCE	0.79	1.14	1.60	2.11	2.96	4.25	5.28	4.55	2.70	1.69	1.29	1.17
PHYSICAL SCIENCES	0.42	0.44	0.47	0.47	0.45	0.47	0.47	0.51	0.53	0.47	0.46	0.51
ARCHITECTURE/ENVIR. ENG.	0.53	0.59	0.65	0.74	0.70	0.67	0.57	0.58	0.62	0.70	0.84	0.97
ENGINEERING	1.19	1.47	1.81	2.23	2.50	2.95	3.02	2.80	2.67	2.60	2.65	2.61
LIFE SCIENCES	4.19	4.09	3.81	3.54	3.43	3.25	3.12	3.05	2.98	3.20	3.32	3.24
EARTH & ENVIRONMENTAL SCI.	0.83	0.85	0.86	0.76	0.72	0.69	0.61	0.54	0.59	0.77	0.92	1.06
PSYCHOLOGY	3.73	4.34	4.61	4.69	4.63	4.73	4.69	4.95	5.91	5.86	6.47	6.79
SOCIAL SCIENCES	4.88	5.03	4.77	4.30	3.90	3.62	3.41	3.65	3.84	4.41	4.92	5.32
INTERDISCIPL/OTHER SCIENCES	0.27	0.32	0.35	0.30	0.27	0.26	0.26	0.28	0.25	0.17	0.14	0.17
TOTAL OF SCIENCE, MATH & ENGINEERING	18.08	19.46	19.95	20.16	20.52	21.87	22.40	22.01	21.19	20.65	21.68	22.44
PERCENTS ARE BASED ON A TOTAL N OF:	406957	408455	410630	407369	409193	404065	391595	386280	385930	397684	426592	442069

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	1.01	0.97	0.96	0.78	0.84	0.78	0.74	0.67	0.84	0.50	0.45	0.43
COMPUTER SCIENCE	2.57	3.43	3.97	4.72	6.62	8.55	12.20	12.75	10.40	8.34	7.60	6.67
PHYSICAL SCIENCES	0.63	0.67	0.67	0.65	0.66	0.60	0.63	0.53	0.67	0.50	0.50	0.54
ARCHITECTURE/ENVIR. ENG.	2.31	2.62	2.63	2.90	2.75	2.71	2.37	2.25	2.24	2.28	2.48	2.54
ENGINEERING	11.55	13.70	14.71	16.34	16.85	17.10	17.08	16.55	16.39	16.98	17.19	16.66
LIFE SCIENCES	2.59	2.58	2.47	2.26	2.25	2.23	1.96	2.05	1.88	1.99	2.10	2.32
EARTH & ENVIRONMENTAL SCI.	0.52	0.64	0.62	0.44	0.39	0.35	0.30	0.25	0.24	0.26	0.28	0.30
PSYCHOLOGY	2.11	2.02	1.92	1.80	1.51	1.41	1.29	1.33	1.54	1.51	1.58	1.85
SOCIAL SCIENCES	4.26	4.31	3.83	3.40	3.23	2.90	2.68	2.81	2.79	3.60	4.14	4.79
INTERDISCIPL/OTHER SCIENCES	0.23	0.28	0.28	0.16	0.22	0.17	0.16	0.13	0.15	0.07	0.07	0.09
TOTAL OF SCIENCE, MATH & ENGINEERING	27.79	31.23	32.05	33.45	35.33	36.81	39.41	39.32	37.13	36.04	36.39	36.19
PERCENTS ARE BASED ON A TOTAL N OF:	31581	33072	33467	33999	33481	33162	32127	31671	31251	33520	37962	42077

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	0.84	0.78	0.69	0.63	0.52	0.52	0.48	0.56	0.67	0.44	0.[illegible]	0.36
COMPUTER SCIENCE	1.57	2.25	2.90	3.71	5.47	7.44	10.28	10.23	7.66	6.82	6.07	5.68
PHYSICAL SCIENCES	0.29	0.36	0.32	0.34	0.30	0.32	0.33	0.39	0.35	0.26	0.27	0.34
ARCHITECTURE/ENVIR. ENG.	0.45	0.54	0.60	0.66	0.67	0.65	0.46	0.49	0.52	0.53	0.62	0.68
ENGINEERING	1.57	2.04	2.58	3.24	3.55	4.20	4.12	4.10	3.87	4.68	4.83	4.69
LIFE SCIENCES	1.91	1.91	1.73	1.79	1.81	1.80	1.76	1.98	1.85	2.30	2.15	2.15
EARTH & ENVIRONMENTAL SCI.	0.12	0.18	0.15	0.13	0.16	0.14	0.11	0.09	0.10	0.09	0.12	0.19
PSYCHOLOGY	4.56	5.29	5.30	5.06	4.60	4.15	3.52	3.58	4.15	4.36	5.06	5.85
SOCIAL SCIENCES	5.74	6.28	5.60	4.84	4.22	3.69	3.06	3.01	3.25	4.46	5.07	5.72
INTERDISCIPL/OTHER SCIENCES	0.12	0.15	0.10	0.13	0.10	0.10	0.09	0.08	0.10	0.06	0.04	0.05
TOTAL OF SCIENCE, MATH & ENGINEERING	17.15	19.79	19.96	20.54	21.39	23.02	24.23	24.52	22.52	24.00	24.62	25.70
PERCENTS ARE BASED ON A TOTAL N OF:	47900	49481	50049	51128	50494	49409	48294	47778	47511	49283	54145	60033

68

69

PERCENT OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	0.89	0.87	0.83	0.75	0.69	0.69	0.70	0.64	0.64	0.55	0.51	0.54
COMPUTER SCIENCE	1.41	1.98	2.85	3.38	4.53	6.16	7.87	7.07	5.15	4.20	3.63	3.36
PHYSICAL SCIENCES	0.78	0.88	0.89	0.89	0.83	0.80	0.77	0.71	0.68	0.69	0.76	0.76
ARCHITECTURE/ENVIR. ENG.	1.50	1.57	1.68	1.91	1.91	1.76	1.54	1.36	1.34	1.80	1.98	2.11
ENGINEERING	6.68	8.07	9.21	10.14	10.78	11.41	11.50	10.30	9.83	12.18	12.50	11.57
LIFE SCIENCES	3.26	3.36	3.17	2.96	2.83	2.79	2.76	2.62	2.42	3.11	3.20	3.32
EARTH & ENVIRONMENTAL SCI.	0.84	0.83	0.81	0.72	0.67	0.57	0.46	0.37	0.34	0.45	0.51	0.62
PSYCHOLOGY	2.17	2.43	2.52	2.37	2.33	2.23	2.14	1.95	2.18	2.55	2.84	3.27
SOCIAL SCIENCES	4.13	4.34	3.84	3.40	3.12	2.83	2.72	2.46	2.44	3.17	3.61	4.45
INTERDISCIPL/OTHER SCIENCES	0.41	0.42	0.45	0.36	0.34	0.30	0.33	0.27	0.23	0.16	0.14	0.17
TOTAL OF SCIENCE, MATH & ENGINEERING	22.08	24.76	26.24	26.88	28.04	29.53	30.79	27.75	25.26	28.85	29.68	30.16
PERCENTS ARE BASED ON A TOTAL N OF:	109555	114746	115034	121433	123024	127392	127452	143388	155694	153707	166252	184223

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	13139	12515	10977	9985	9601	9274	9006	9589	9739	7647	7114	7122
COMPUTER SCIENCE	12754	17656	23848	29761	40956	56219	71866	69421	50613	36980	32819	30876
PHYSICAL SCIENCES												
ASTRONOMY	1040	1151	1313	1402	1251	1399	1223	1039	1066	1597	1934	2224
CHEMISTRY	4659	4731	4718	4533	4406	4100	3897	4110	4201	3590	3795	3917
PHYSICS	2974	3340	3331	3489	3289	3082	2910	3073	3269	2875	3013	3272
ARCHITECTURE/ENVIR. ENG.	14008	15289	15753	16878	16456	15329	13044	12734	13551	15592	19765	21940
ENGINEERING												
AEROSPACE ENGINEERING	8198	10283	11901	13165	14294	15741	14726	15433	16234	17365	21839	22260
ELECTRICAL ENGINEERING	13792	16079	17337	18837	20019	21408	22718	24204	24281	23461	23794	21106
CHEMICAL ENGINEERING	4251	4927	5405	6350	7037	8061	7733	6085	5558	5386	5710	5213
MECHANICAL ENGINEERING	7049	8654	9658	10430	11164	11535	10814	9907	9992	9603	9695	9493
CIVIL ENGINEERING	4812	5249	5592	5666	5649	5362	4875	4508	4382	4960	5489	5560
OTHER ENGINEERING	25390	29823	33303	36428	38031	40286	38026	34315	32488	37579	41473	41760
LIFE SCIENCES												
AGRICULTURE	12211	11527	10589	9887	9406	8401	7317	6219	5579	6889	7895	8386
BIOLOGICAL SCIENCES	26529	27048	25694	23694	23131	22464	21407	21784	21777	24063	26514	27767
EARTH & ENVIRONMENTAL SCI.	12434	12803	12470	10766	10046	9250	7784	6658	6707	8116	9900	11479
PSYCHOLOGY												
CHILD PSYCHOLOGY	5673	7013	7535	7461	7517	7418	6905	7180	8688	6886	7878	9696
GENERAL PSYCHOLOGY	15797	17600	18113	18158	17528	17344	16788	17152	20179	25418	31512	34766
SOCIAL PSYCHOLOGY	3859	4235	4389	4233	4077	4105	3800	4167	4840	2871	2536	2792
SOCIAL SCIENCES												
ECONOMICS	1529	1725	1860	2042	2091	2029	1860	1977	2004	2008	2227	2553
INTERNATIONAL RELATIONS	1462	1523	1657	1725	2009	2214	2314	3002	3334	3921	4647	4960
LAW ENFORCEMENT	10023	9799	8189	6703	5852	5461	6172	6953	7341	12365	15713	18261
POLITICAL SCIENCE	9362	6461	5652	5648	6152	6243	5634	5530	6174	7654	9366	10770
SOCIOLOGY	2914	2903	2486	2160	1855	1593	1258	1264	1333	1791	2150	2389
OTHER SOCIAL SCIENCES	20723	24355	23407	20530	18043	15980	14282	14063	14494	14198	16191	19643
INTERDISCIPL./OTHER SCIENCES	4839	5396	5328	4654	4099	3822	3511	3408	3195	2206	2185	2728
TOTAL OF SCIENCE, MATH & ENGINEERING	239421	262085	270505	274585	283959	298120	299870	293775	281019	285021	315154	330933

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	6396	5920	5081	4406	4234	3967	3774	3907	3881	3275	3112	3003
COMPUTER SCIENCE	6424	8486	11209	13547	18309	24673	32291	32788	25292	17625	15116	13308
PHYSICAL SCIENCES												
ASTRONOMY	742	778	850	926	852	925	823	631	664	1018	1195	1261
CHEMISTRY	2733	2687	2651	2495	2429	2116	1913	2009	2069	1800	1876	1890
PHYSICS	2315	2557	2543	2611	2423	2260	2105	2240	2317	2030	2121	2190
ARCHITECTURE/ENVIR. ENG.	9255	9961	9980	10215	9985	9148	7866	7612	8143	9021	11600	12304
ENGINEERING												
AEROSPACE ENGINEERING	6385	7747	8798	9595	10346	11585	10788	11134	11730	12022	15079	14699
ELECTRICAL ENGINEERING	10408	11816	12517	13040	13687	14279	14764	15550	15396	14000	13747	11685
CHEMICAL ENGINEERING	2847	3174	3342	3795	4100	4609	4347	3422	3124	2999	3164	2756
MECHANICAL ENGINEERING	5513	6720	7386	7827	8355	8384	7947	7164	7175	6735	6735	6373
CIVIL ENGINEERING	3479	3828	3944	3872	3869	3576	3275	2951	2883	3330	3674	3539
OTHER ENGINEERING	18303	20935	22976	24142	24927	25765	23814	21448	20061	22204	24355	23656
LIFE SCIENCES												
AGRICULTURE	5992	5853	5557	5052	4871	4426	3916	3395	3023	3578	4047	4294
BIOLOGICAL SCIENCES	10380	10344	9760	8824	8480	8125	7613	7467	7615	8090	8907	9155
EARTH & ENVIRONMENTAL SCI.	7929	8079	7719	6586	6087	5563	4652	3921	3752	4235	4945	5427
PSYCHOLOGY												
CHILD PSYCHOLOGY	416	500	500	475	457	400	426	434	460	293	305	500
GENERAL PSYCHOLOGY	3731	3807	3680	3515	3356	3325	3188	3325	3784	4566	5654	6023
SOCIAL PSYCHOLOGY	759	736	745	661	645	672	681	698	805	456	301	404
SOCIAL SCIENCES												
ECONOMICS	859	894	1007	1057	1082	1028	920	1010	1007	1050	1191	1265
INTERNATIONAL RELATIONS	480	485	506	505	620	633	693	880	949	1076	1198	1237
LAW ENFORCEMENT	5708	5517	4671	3791	3320	3266	3722	4210	4467	6202	7535	8488
POLITICAL SCIENCE	4636	3090	2571	2613	2939	2955	2652	2568	2948	3550	4299	4695
SOCIOLOGY	458	439	374	310	281	254	227	189	214	299	298	390
OTHER SOCIAL SCIENCES	5391	6266	6050	5244	4760	4356	4159	3985	4068	3954	4454	5364
INTERDISCIPL./OTHER SCIENCES	3144	3453	3255	2851	2471	2268	1989	1867	1789	1231	1297	1609
TOTAL OF SCIENCE, MATH & ENGINEERING	124683	134072	137672	137955	142885	148558	148545	144805	137616	134639	146205	145515

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	5048	4886	4278	4080	3973	3912	3862	4287	4282	3147	2766	2728
COMPUTER SCIENCE	3221	4648	6585	8615	12093	17191	20659	17565	10413	6740	5505	5160
PHYSICAL SCIENCES												
ASTRONOMY	171	220	268	253	221	302	229	235	252	356	393	508
CHEMISTRY	1253	1257	1339	1317	1253	1281	1283	1361	1356	1124	1212	1282
PHYSICS	272	309	305	352	377	319	328	373	440	376	354	446
ARCHITECTURE/ENVIR. ENG.	2161	2392	2659	3019	2856	2722	2232	2229	2382	2781	3594	4279
ENGINEERING												
AEROSPACE ENGINEERING	426	629	779	933	1036	1178	1137	1237	1319	1517	2021	2393
ELECTRICAL ENGINEERING	357	427	599	766	904	1112	1371	1443	1369	1122	1154	990
CHEMICAL ENGINEERING	666	839	991	1237	1483	1786	1841	1360	1220	1163	1211	1069
MECHANICAL ENGINEERING	228	322	428	580	614	705	635	629	644	588	569	618
CIVIL ENGINEERING	380	372	443	472	516	528	455	451	410	437	480	452
OTHER ENGINEERING	2780	3404	4183	5094	5667	6608	6383	5700	5333	5516	5886	6024
LIFE SCIENCES												
AGRICULTURE	5102	4581	4037	3817	3616	3128	2668	2196	2014	2595	3045	3080
BIOLOGICAL SCIENCES	11964	12138	11593	10608	10418	10007	9534	9597	9479	10112	11119	11252
EARTH & ENVIRONMENTAL SCI.	3363	3474	3542	3091	2930	2772	2393	2080	2295	3052	3937	4678
PSYCHOLOGY												
CHILD PSYCHOLOGY	3844	4702	5165	5175	5272	5356	5073	5326	6565	5174	5837	6865
GENERAL PSYCHOLOGY	9022	10431	11036	11227	11016	11047	10808	11041	13148	16184	19977	21335
SOCIAL PSYCHOLOGY	2332	2596	2714	2716	2677	2703	2479	2743	3094	1933	1792	1807
SOCIAL SCIENCES												
ECONOMICS	386	454	502	580	596	593	568	561	591	481	495	560
INTERNATIONAL RELATIONS	748	791	866	905	1025	1168	1191	1618	1877	2166	2637	2705
LAW ENFORCEMENT	2828	2650	2193	1729	1467	1243	1415	1567	1664	3442	4432	4937
POLITICAL SCIENCE	3159	2179	1987	1905	2088	2208	1987	2026	2157	2777	3368	3935
SOCIOLOGY	1619	1610	1397	1229	1112	928	721	756	802	1031	1298	1303
OTHER SOCIAL SCIENCES	11116	12881	12624	11179	9659	8501	7459	7564	7724	7635	8770	10057
INTERDISCIPL./OTHER SCIENCES	1113	1287	1418	1240	1088	1060	1010	1075	950	678	613	736
TOTAL OF SCIENCE, MATH & ENGINEERING	73559	79479	81931	82119	83957	88358	87721	85020	81780	82127	92465	99199

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	320	322	320	266	281	260	239	211	262	168	169	180
COMPUTER SCIENCE	812	1134	1329	1604	2217	2835	3919	4037	3251	2795	2884	2807
PHYSICAL SCIENCES												
ASTRONOMY	22	28	23	36	38	36	29	28	29	29	42	46
CHEMISTRY	114	129	142	110	118	103	107	95	98	87	91	111
PHYSICS	63	63	58	74	66	59	66	44	81	52	56	70
ARCHITECTURE/ENVIR. ENG.	730	868	879	985	922	900	763	712	700	764	942	1069
ENGINEERING												
AEROSPACE ENGINEERING	440	592	733	789	833	827	744	837	714	786	965	1021
ELECTRICAL ENGINEERING	1210	1495	1507	1803	1765	1784	1917	1904	1956	2050	2245	2329
CHEMICAL ENGINEERING	175	199	210	285	294	323	287	238	204	206	235	268
MECHANICAL ENGINEERING	408	478	596	615	672	707	651	532	560	528	540	599
CIVIL ENGINEERING	253	294	323	316	320	305	260	246	233	248	279	336
OTHER ENGINEERING	1163	1473	1555	1749	1758	1724	1629	1485	1455	1874	2263	2456
LIFE SCIENCES												
AGRICULTURE	172	186	196	197	163	146	117	108	95	110	140	174
BIOLOGICAL SCIENCES	645	666	630	573	591	594	513	541	491	557	659	801
EARTH & ENVIRONMENTAL SCI.	163	213	207	151	130	117	95	79	76	87	107	127
PSYCHOLOGY												
CHILD PSYCHOLOGY	122	139	138	130	104	84	73	68	79	53	64	97
GENERAL PSYCHOLOGY	433	405	388	369	320	291	267	277	299	412	492	633
SOCIAL PSYCHOLOGY	111	124	116	112	82	93	74	77	102	41	43	47
SOCIAL SCIENCES												
ECONOMICS	63	80	64	58	69	61	47	60	61	68	59	99
INTERNATIONAL RELATIONS	17	21	26	27	30	29	39	25	26	33	36	36
LAW ENFORCEMENT	283	287	242	219	207	197	238	279	263	590	851	1067
POLITICAL SCIENCE	325	249	265	266	234	227	182	176	194	218	275	340
SOCIOLOGY	137	142	110	83	76	50	48	43	48	63	69	100
OTHER SOCIAL SCIENCES	521	647	576	503	464	399	307	308	280	235	282	375
INTERDISCIPL./OTHER SCIENCES	73	93	93	53	74	57	50	42	47	25	27	38
TOTAL OF SCIENCE, MATH & ENGINEERING	8775	10327	10726	11373	11828	12208	12661	12452	11604	12079	13815	15236

78

79

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	404	385	343	321	263	258	234	268	320	215	216	216
COMPUTER SCIENCE	750	1112	1449	1896	2760	3678	4964	4890	3637	3360	3284	3411
PHYSICAL SCIENCES												
ASTRONOMY	9	8	8	10	7	5	6	10	3	11	13	28
CHEMISTRY	114	149	137	145	123	131	136	146	142	104	120	146
PHYSICS	15	23	17	19	21	22	19	28	20	15	13	28
ARCHITECTURE/ENVIR. ENG.	214	269	302	339	339	323	224	236	247	261	333	409
ENGINEERING												
AEROSPACE ENGINEERING	35	61	87	102	99	122	117	142	141	148	184	229
ELECTRICAL ENGINEERING	122	150	221	281	330	418	405	498	482	558	595	597
CHEMICAL ENGINEERING	124	160	184	235	261	287	311	253	243	243	261	297
MECHANICAL ENGINEERING	39	64	68	94	111	149	126	127	118	118	135	131
CIVIL ENGINEERING	66	78	111	133	120	138	92	93	70	108	119	130
OTHER ENGINEERING	364	497	618	810	870	960	941	845	787	1131	1319	1433
LIFE SCIENCES												
AGRICULTURE	89	70	84	76	70	57	46	57	55	83	75	91
BIOLOGICAL SCIENCES	825	877	782	839	842	833	802	888	823	1051	1091	1197
EARTH & ENVIRONMENTAL SCI.	58	87	73	68	79	69	53	44	47	46	66	113
PSYCHOLOGY												
CHILD PSYCHOLOGY	791	968	1009	978	895	782	612	617	707	558	750	957
GENERAL PSYCHOLOGY	1070	1301	1272	1252	1132	993	877	853	984	1445	1844	2389
SOCIAL PSYCHOLOGY	321	350	374	359	294	275	212	241	281	147	147	168
SOCIAL SCIENCES												
ECONOMICS	26	44	47	59	58	50	50	32	42	59	52	66
INTERNATIONAL RELATIONS	45	42	40	52	45	69	74	67	74	83	90	134
LAW ENFORCEMENT	274	312	261	255	244	171	193	204	205	830	1117	1343
POLITICAL SCIENCE	408	341	289	287	279	268	241	233	263	296	361	448
SOCIOLOGY	420	402	350	299	222	211	117	123	134	206	245	264
OTHER SOCIAL SCIENCES	1576	1965	1817	1522	1284	1055	805	778	824	724	882	1177
INTERDISCIPL./OTHER SCIENCES	57	76	49	69	51	51	45	40	49	29	20	28
TOTAL OF SCIENCE, MATH & ENGINEERING	8216	9791	9992	10500	10799	11375	11702	11713	10698	11829	13332	15430

NUMBER OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	971	1002	955	912	850	877	897	916	994	842	851	995
COMPUTER SCIENCE	1547	2276	3276	4099	5577	7842	10033	10141	8020	6460	6030	6190
PHYSICAL SCIENCES												
ASTRONOMY	96	117	164	177	133	131	136	135	118	183	291	381
CHEMISTRY	445	509	449	466	483	469	458	499	536	475	496	488
PHYSICS	309	388	408	433	402	422	392	388	411	402	469	538
ARCHITECTURE/ENVIR. ENG.	1648	1799	1933	2320	2354	2236	1959	1945	2079	2765	3296	3879
ENGINEERING												
AEROSPACE ENGINEERING	912	1254	1504	1746	1980	2029	1940	2083	2330	2892	3590	3918
ELECTRICAL ENGINEERING	1695	2191	2493	2947	3333	3815	4261	4809	5078	5731	6053	5505
CHEMICAL ENGINEERING	439	555	678	798	899	1056	947	812	767	775	839	823
MECHANICAL ENGINEERING	861	1070	1180	1314	1412	1590	1455	1455	1495	1634	1716	1772
CIVIL ENGINEERING	634	677	771	873	824	815	793	767	786	837	937	1103
OTHER ENGINEERING	2780	3514	3971	4633	4809	5229	5259	4837	4852	6854	7650	8191
LIFE SCIENCES												
AGRICULTURE	856	837	715	745	686	644	570	463	392	523	588	747
BIOLOGICAL SCIENCES	2715	3023	2929	2850	2800	2905	2945	3291	3369	4253	4738	5362
EARTH & ENVIRONMENTAL SCI.	921	950	929	870	820	729	591	534	537	696	845	1134
PSYCHOLOGY												
CHILD PSYCHOLOGY	500	704	723	703	789	796	721	735	877	808	922	1277
GENERAL PSYCHOLOGY	1541	1656	1737	1795	1704	1688	1648	1656	1964	2811	3545	4386
SOCIAL PSYCHOLOGY	336	429	440	385	379	362	354	408	558	294	253	366
SOCIAL SCIENCES												
ECONOMICS	195	253	240	288	286	297	275	314	303	350	430	563
INTERNATIONAL RELATIONS	172	184	219	236	289	315	317	412	408	563	686	848
LAW ENFORCEMENT	930	1033	822	709	614	584	604	693	742	1301	1778	2426
POLITICAL SCIENCE	834	602	540	577	612	585	572	527	612	813	1063	1352
SOCIOLOGY	280	310	255	239	164	150	145	153	135	192	240	332
OTHER SOCIAL SCIENCES	2119	2596	2340	2082	1876	1669	1552	1428	1598	1650	1803	2670
INTERDISCIPL./OTHER SCIENCES	452	487	513	441	415	386	417	384	360	243	228	317
TOTAL OF SCIENCE, MATH & ENGINEERING	24188	28416	30184	32638	34490	37621	39241	39785	39321	44347	49337	55563

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	464	464	459	455	456	455	452	457	459	469	475	468
COMPUTER SCIENCE	439	436	432	429	427	426	422	420	423	413	408	405
PHYSICAL SCIENCES	518	517	516	513	515	514	513	514	521	526	521	512
ARCHITECTURE/ENVIR. ENG.	424	423	418	415	414	413	412	415	420	419	425	426
ENGINEERING	451	450	448	446	448	451	450	455	456	455	457	454
LIFE SCIENCES	461	460	457	453	455	456	457	462	467	464	463	459
EARTH & ENVIRONMENTAL SCI.	457	456	453	451	451	449	451	454	457	458	456	452
PSYCHOLOGY	444	439	435	434	433	435	437	436	440	441	440	433
SOCIAL SCIENCES	449	443	443	445	446	453	454	457	461	453	452	448
INTERDISCIPL/OTHER SCIENCES	515	512	509	506	510	507	503	509	507	520	534	527
TOTAL OF SCIENCE, MATH & ENGINEERING	454	451	448	446	446	446	444	446	451	450	450	446

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	474	479	477	471	472	468	467	470	476	484	495	489
COMPUTER SCIENCE	464	464	461	457	456	452	450	452	457	454	454	456
PHYSICAL SCIENCES	528	532	530	527	530	530	529	534	539	541	539	535
ARCHITECTURE/ENVIR. ENG.	431	430	427	424	425	423	422	425	428	429	433	436
ENGINEERING	459	461	458	456	460	462	463	470	470	474	477	475
LIFE SCIENCES	456	456	453	449	453	454	456	463	466	466	465	464
EARTH & ENVIRONMENTAL SCI.	452	454	451	448	451	447	449	452	456	456	455	455
PSYCHOLOGY	467	467	466	463	463	465	463	463	469	468	472	467
SOCIAL SCIENCES	464	459	459	462	466	468	466	469	472	468	466	465
INTERDISCIPL/OTHER SCIENCES	521	521	517	514	516	514	512	520	519	526	544	535
TOTAL OF SCIENCE, MATH & ENGINEERING	463	463	461	458	461	461	460	465	468	469	471	470

86

87

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	477	476	471	468	467	471	468	472	474	481	485	478
COMPUTER SCIENCE	460	457	453	448	444	443	437	431	433	424	417	413
PHYSICAL SCIENCES	527	523	523	520	519	515	513	515	521	528	520	506
ARCHITECTURE/ENVIR. ENG.	468	465	459	451	450	446	451	451	455	455	464	457
ENGINEERING	519	511	507	502	500	500	499	501	501	499	498	489
LIFE SCIENCES	482	482	478	475	474	477	478	483	487	484	482	477
EARTH & ENVIRONMENTAL SCI.	479	475	471	470	466	465	470	469	471	471	465	461
PSYCHOLOGY	458	452	448	447	444	444	444	444	446	448	447	440
SOCIAL SCIENCES	467	461	461	462	461	470	471	472	477	470	470	467
INTERDISCIPL/OTHER SCIENCES	527	521	518	512	519	519	511	517	516	525	533	530
TOTAL OF SCIENCE, MATH & ENGINEERING	475	471	468	466	464	465	463	463	468	467	467	461

88

89

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	327	316	326	309	322	320	330	323	332	377	384	364
COMPUTER SCIENCE	345	349	341	342	345	357	350	348	354	347	349	347
PHYSICAL SCIENCES	405	413	399	414	410	414	425	405	420	431	448	432
ARCHITECTURE/ENVIR. ENG.	325	337	328	330	328	340	335	339	343	347	351	356
ENGINEERING	356	364	359	361	362	371	367	371	374	378	377	380
LIFE SCIENCES	356	356	350	351	362	372	368	367	378	382	385	379
EARTH & ENVIRONMENTAL SCI.	374	372	374	379	368	378	369	368	392	378	389	382
PSYCHOLOGY	355	357	347	351	350	362	370	358	380	382	381	371
SOCIAL SCIENCES	349	345	345	350	353	360	359	353	366	357	348	352
INTERDISCIPL/OTHER SCIENCES	357	369	384	385	401	398	397	365	391	434	431	416
TOTAL OF SCIENCE, MATH & ENGINEERING	352	356	351	353	355	364	360	360	367	368	368	369

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	336	344	326	328	336	331	350	345	344	365	384	384
COMPUTER SCIENCE	334	338	327	331	331	338	331	330	329	323	320	317
PHYSICAL SCIENCES	372	380	382	383	387	393	388	386	410	410	420	403
ARCHITECTURE/ENVIR. ENG.	353	359	351	341	344	340	354	352	362	365	370	371
ENGINEERING	411	400	395	392	386	393	394	392	388	384	387	386
LIFE SCIENCES	370	368	369	370	373	380	382	385	393	386	395	386
EARTH & ENVIRONMENTAL SCI.	398	394	393	372	372	389	385	398	393	378	396	400
PSYCHOLOGY	354	350	345	346	348	354	356	361	366	374	371	364
SOCIAL SCIENCES	331	333	329	330	331	347	353	351	354	341	345	348
INTERDISCIPL/OTHER SCIENCES	361	353	344	357	384	369	387	386	383	438	426	437
TOTAL OF SCIENCE, MATH & ENGINEERING	351	351	347	349	349	357	354	354	358	357	359	357

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	429	411	408	409	402	398	383	390	396	410	412	413
COMPUTER SCIENCE	390	381	374	378	375	374	372	368	372	365	362	365
PHYSICAL SCIENCES	476	464	471	464	467	466	470	458	468	483	473	462
ARCHITECTURE/ENVIR. ENG.	381	376	371	377	372	370	365	368	380	376	382	385
ENGINEERING	401	396	395	398	398	400	395	400	401	401	405	405
LIFE SCIENCES	431	429	427	420	425	425	424	429	437	434	435	433
EARTH & ENVIRONMENTAL SCI.	430	425	428	422	421	421	415	426	429	431	431	418
PSYCHOLOGY	414	405	401	401	399	405	405	400	409	407	410	403
SOCIAL SCIENCES	415	408	407	413	410	415	413	419	423	419	418	415
INTERDISCIPL/OTHER SCIENCES	490	478	472	477	487	459	466	463	460	492	499	498
TOTAL OF SCIENCE, MATH & ENGINEERING	414	406	402	403	400	400	395	397	403	403	406	406

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	110	111	116	114	114	114	114	113	114	113	117	115
COMPUTER SCIENCE	112	112	112	109	109	107	106	108	110	112	114	115
PHYSICAL SCIENCES	113	116	120	117	117	114	117	117	118	115	118	116
ARCHITECTURE/ENVIR. ENG.	102	102	103	101	101	101	99	102	100	100	104	107
ENGINEERING	108	108	110	108	108	107	108	110	110	111	112	111
LIFE SCIENCES	109	110	111	111	112	112	112	114	114	114	114	114
EARTH & ENVIRONMENTAL SCI.	98	98	98	97	99	96	97	98	98	97	99	99
PSYCHOLOGY	104	104	103	103	103	101	99	100	99	99	99	98
SOCIAL SCIENCES	116	116	117	117	117	118	117	117	118	121	121	119
INTERDISCIPL/OTHER SCIENCES	112	112	117	112	114	113	115	113	116	110	116	112
TOTAL OF SCIENCE, MATH & ENGINEERING	111	111	112	111	111	110	110	112	112	113	114	113

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	107	107	112	110	110	109	110	110	111	110	114	111
COMPUTER SCIENCE	104	104	104	101	102	101	99	101	102	101	105	105
PHYSICAL SCIENCES	104	106	111	106	107	107	108	107	108	107	107	105
ARCHITECTURE/ENVIR. ENG.	94	95	95	94	94	94	92	95	93	93	97	96
ENGINEERING	100	100	101	100	100	99	99	100	101	99	101	100
LIFE SCIENCES	105	107	108	106	107	109	107	111	112	110	111	110
EARTH & ENVIRONMENTAL SCI.	95	94	95	93	96	94	92	94	95	94	96	97
PSYCHOLOGY	98	100	100	99	99	98	99	100	99	99	99	97
SOCIAL SCIENCES	113	112	113	113	113	113	114	115	116	117	118	115
INTERDISCIPL/OTHER SCIENCES	105	103	111	106	109	105	108	107	109	104	109	108
TOTAL OF SCIENCE, MATH & ENGINEERING	104	105	106	104	104	103	102	104	105	104	107	106

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	97	97	101	100	100	99	99	99	100	98	98	98
COMPUTER SCIENCE	98	98	97	96	96	95	94	94	96	100	99	102
PHYSICAL SCIENCES	107	109	115	112	110	106	108	106	110	108	107	105
ARCHITECTURE/ENVIR. ENG.	99	100	100	99	98	97	95	98	97	96	100	96
ENGINEERING	99	97	99	99	99	97	95	95	96	96	96	98
LIFE SCIENCES	103	103	103	105	106	106	104	106	106	106	105	106
EARTH & ENVIRONMENTAL SCI.	98	97	98	97	98	93	96	99	98	95	98	96
PSYCHOLOGY	96	97	96	97	96	95	93	95	94	94	94	92
SOCIAL SCIENCES	104	106	107	108	107	109	107	108	109	112	111	110
INTERDISCIPL/OTHER SCIENCES	110	107	108	109	108	105	107	106	110	105	110	106
TOTAL OF SCIENCE, MATH & ENGINEERING	103	103	104	104	103	102	101	103	103	104	104	103

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	95	92	102	88	107	98	105	88	92	101	117	98
COMPUTER SCIENCE	93	89	91	87	93	94	91	93	91	90	90	88
PHYSICAL SCIENCES	113	124	112	120	112	111	110	115	106	101	120	116
ARCHITECTURE/ENVIR. ENG.	85	89	88	91	90	90	90	85	87	86	93	92
ENGINEERING	100	102	99	100	100	100	100	101	101	101	100	101
LIFE SCIENCES	101	100	104	108	107	107	106	107	109	106	107	106
EARTH & ENVIRONMENTAL SCI.	100	102	105	99	97	105	95	93	102	86	104	110
PSYCHOLOGY	94	98	92	95	95	95	100	94	96	98	100	97
SOCIAL SCIENCES	104	100	102	104	104	107	113	109	110	112	103	102
INTERDISCIPL/OTHER SCIENCES	104	121	111	106	109	123	124	99	111	110	128	125
TOTAL OF SCIENCE, MATH & ENGINEERING	100	100	99	99	100	100	99	99	100	100	101	100

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	98	93	95	93	93	96	95	95	97	99	103	105
COMPUTER SCIENCE	90	89	82	89	86	88	86	84	84	82	80	80
PHYSICAL SCIENCES	111	120	111	120	107	103	112	100	115	115	99	104
ARCHITECTURE/ENVIR. ENG.	101	97	98	85	93	91	83	89	98	90	90	99
ENGINEERING	102	104	104	99	99	99	100	99	95	95	97	97
LIFE SCIENCES	106	103	108	108	105	102	108	105	104	105	103	104
EARTH & ENVIRONMENTAL SCI.	117	105	104	96	84	97	112	112	94	111	115	104
PSYCHOLOGY	93	92	91	88	93	93	93	94	93	93	93	9'
SOCIAL SCIENCES	97	95	90	96	96	106	107	103	104	101	100	99
INTERDISCIPL/OTHER SCIENCES	105	108	94	107	112	105	121	108	113	127	104	115
TOTAL OF SCIENCE, MATH & ENGINEERING	100	98	97	97	97	98	98	96	97	98	98	97

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	134	129	132	135	138	135	136	135	130	138	146	136
COMPUTER SCIENCE	116	115	115	112	113	112	112	111	112	115	116	115
PHYSICAL SCIENCES	142	137	143	141	141	135	141	141	140	139	147	138
ARCHITECTURE/ENVIR. ENG.	107	108	108	106	102	104	102	107	105	105	110	110
ENGINEERING	120	120	120	118	117	120	120	123	122	123	125	122
LIFE SCIENCES	122	122	124	124	125	126	127	128	129	128	130	128
EARTH & ENVIRONMENTAL SCI.	105	108	107	101	104	108	106	106	107	106	109	110
PSYCHOLOGY	110	108	107	108	108	104	106	105	105	103	105	104
SOCIAL SCIENCES	124	123	125	126	125	125	123	125	126	129	127	128
INTERDISCIPL/OTHER SCIENCES	132	135	142	134	129	144	139	135	135	138	145	128
TOTAL OF SCIENCE, MATH & ENGINEERING	122	121	122	120	120	120	120	122	122	123	125	123

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	464	464	459	455	456	455	452	457	459	469	475	468
COMPUTER SCIENCE	439	436	432	429	427	426	422	420	423	413	408	405
PHYSICAL SCIENCES												
ASTRONOMY	512	506	501	501	502	504	505	504	511	526	522	502
CHEMISTRY	496	495	493	489	491	490	489	489	495	500	497	495
PHYSICS	553	551	555	548	553	551	548	552	557	558	551	539
ARCHITECTURE/ENVIR. ENG.	424	423	418	415	414	413	412	415	420	419	425	426
ENGINEERING												
AEROSPACE ENGINEERING	448	451	452	451	455	460	461	469	472	472	473	470
ELECTRICAL ENGINEERING	437	436	434	430	435	435	434	442	442	436	433	428
CHEMICAL ENGINEERING	500	496	491	491	490	491	490	489	492	490	489	484
MECHANICAL ENGINEERING	428	430	427	425	428	429	430	434	437	442	447	445
CIVIL ENGINEERING	438	439	432	429	431	434	433	435	436	436	432	430
OTHER ENGINEERING	459	457	455	453	454	456	456	461	459	460	463	460
LIFE SCIENCES												
AGRICULTURE	420	412	407	402	403	401	399	399	399	404	404	404
BIOLOGICAL SCIENCES	480	480	477	474	476	477	477	480	484	480	481	475
EARTH & ENVIRONMENTAL SCI.	457	456	453	451	451	449	451	454	457	458	456	452
PSYCHOLOGY												
CHILD PSYCHOLOGY	416	407	404	404	401	403	408	407	413	415	413	408
GENERAL PSYCHOLOGY	456	452	449	447	447	449	449	449	452	448	448	440
SOCIAL PSYCHOLOGY	438	438	434	433	433	436	435	434	439	439	433	428
SOCIAL SCIENCES												
ECONOMICS	510	508	513	512	507	509	511	513	515	519	513	502
INTERNATIONAL RELATIONS	532	531	532	529	526	531	530	533	542	544	548	534
LAW ENFORCEMENT	393	386	384	380	381	381	383	384	387	381	382	380
POLITICAL SCIENCE	501	497	495	490	489	495	493	498	504	507	507	501
SOCIOLOGY	420	417	417	416	418	420	424	420	425	414	412	411
OTHER SOCIAL SCIENCES	447	444	442	443	440	448	452	456	457	458	457	457
INTERDISCIPL./OTHER SCIENCES	515	512	509	506	510	507	503	509	507	520	534	527
TOTAL OF SCIENCE, MATH & ENGINEERING	454	451	448	446	446	446	444	446	451	450	450	446

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	474	479	477	471	472	468	467	470	476	484	495	489
COMPUTER SCIENCE	464	464	461	457	456	452	450	452	457	454	454	456
PHYSICAL SCIENCES												
ASTRONOMY	516	512	510	514	512	513	510	517	519	534	537	524
CHEMISTRY	506	509	504	501	505	503	507	507	511	514	515	518
PHYSICS	558	561	564	555	562	563	557	564	571	569	562	557
ARCHITECTURE/ENVIR. ENG.	431	430	427	424	425	423	422	425	428	429	433	436
ENGINEERING												
AEROSPACE ENGINEERING	457	463	464	462	469	472	471	481	483	485	487	486
ELECTRICAL ENGINEERING	453	454	453	450	454	454	456	465	468	467	465	461
CHEMICAL ENGINEERING	511	508	504	504	502	503	505	505	509	508	508	507
MECHANICAL ENGINEERING	441	444	442	437	442	442	446	451	452	458	466	463
CIVIL ENGINEERING	446	452	443	442	444	446	445	451	450	448	446	446
OTHER ENGINEERING	464	464	461	459	461	462	464	470	468	477	481	480
LIFE SCIENCES												
AGRICULTURE	407	401	398	393	396	392	390	393	390	395	394	396
BIOLOGICAL SCIENCES	484	487	484	480	486	487	490	495	496	497	497	496
EARTH & ENVIRONMENTAL SCI.	452	454	451	448	451	447	449	452	456	456	455	455
PSYCHOLOGY												
CHILD PSYCHOLOGY	428	419	428	428	427	422	420	428	431	424	427	431
GENERAL PSYCHOLOGY	475	475	472	469	470	471	471	469	474	471	475	471
SOCIAL PSYCHOLOGY	454	460	465	456	455	463	452	457	468	468	460	456
SOCIAL SCIENCES												
ECONOMICS	528	526	526	517	520	519	524	530	529	537	532	518
INTERNATIONAL RELATIONS	549	548	561	546	543	555	557	558	565	564	574	562
LAW ENFORCEMENT	396	394	391	389	393	391	391	396	397	397	394	396
POLITICAL SCIENCE	514	512	512	509	507	509	512	518	521	526	527	524
SOCIOLOGY	455	450	452	461	457	450	453	460	465	463	440	458
OTHER SOCIAL SCIENCES	476	473	470	472	470	474	477	481	484	485	486	486
INTERDISCIPL./OTHER SCIENCES	521	521	517	514	516	514	512	520	519	526	544	535
TOTAL OF SCIENCE, MATH & ENGINEERING	463	463	461	458	461	461	460	465	468	469	471	470

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	477	476	471	468	467	471	468	472	474	481	485	478
COMPUTER SCIENCE	460	457	453	448	444	443	437	431	433	424	417	413
PHYSICAL SCIENCES												
ASTRONOMY	539	523	513	512	519	517	522	517	530	536	529	499
CHEMISTRY	514	510	512	507	504	505	499	501	507	511	505	498
PHYSICS	581	575	579	573	570	552	564	565	559	568	560	536
ARCHITECTURE/ENVIR. ENG.	468	465	459	451	450	446	451	451	455	455	464	457
ENGINEERING												
AEROSPACE ENGINEERING	498	491	485	486	485	490	495	501	496	499	496	484
ELECTRICAL ENGINEERING	515	504	508	501	501	496	498	500	499	488	488	478
CHEMICAL ENGINEERING	541	535	526	525	521	520	515	517	520	510	510	504
MECHANICAL ENGINEERING	485	486	482	477	485	481	475	474	484	482	480	478
CIVIL ENGINEERING	512	499	491	489	477	488	480	480	491	486	471	470
OTHER ENGINEERING	520	513	511	503	501	501	499	502	502	502	503	493
LIFE SCIENCES												
AGRICULTURE	445	438	432	428	427	427	426	424	426	430	430	429
BIOLOGICAL SCIENCES	498	498	494	492	490	493	493	496	500	498	496	490
EARTH & ENVIRONMENTAL SCI.	479	475	471	470	466	465	470	469	471	471	465	461
PSYCHOLOGY												
CHILD PSYCHOLOGY	437	428	425	424	418	417	421	419	424	426	426	420
GENERAL PSYCHOLOGY	469	464	460	457	456	456	456	456	458	455	453	447
SOCIAL PSYCHOLOGY	453	451	447	447	445	444	443	442	444	443	439	437
SOCIAL SCIENCES												
ECONOMICS	526	524	534	537	520	525	521	522	524	531	520	513
INTERNATIONAL RELATIONS	536	541	538	543	537	541	538	539	546	550	553	541
LAW ENFORCEMENT	413	401	399	396	393	388	400	393	396	397	402	397
POLITICAL SCIENCE	516	514	513	508	502	510	506	505	513	513	512	504
SOCIOLOGY	450	444	444	441	439	441	441	438	440	431	433	426
OTHER SOCIAL SCIENCES	463	460	457	456	453	460	464	465	467	466	466	469
INTERDISCIPL./OTHER SCIENCES	527	521	518	512	519	519	511	517	516	525	533	530
TOTAL OF SCIENCE, MATH & ENGINEERING	475	471	468	466	464	465	463	463	468	467	467	461

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	327	316	326	309	322	320	330	323	332	377	384	364
COMPUTER SCIENCE	345	349	341	342	345	357	350	348	354	347	349	347
PHYSICAL SCIENCES												
ASTRONOMY	378	387	365	388	398	401	454	425	383	436	445	394
CHEMISTRY	385	400	386	383	391	384	386	404	394	408	418	425
PHYSICS	451	449	444	474	450	475	476	396	464	469	498	468
ARCHITECTURE/ENVIR. ENG.	325	337	328	330	328	340	335	339	343	347	351	356
ENGINEERING												
AEROSPACE ENGINEERING	371	377	382	384	384	399	395	401	404	413	409	412
ELECTRICAL ENGINEERING	347	359	346	346	350	361	356	363	367	367	363	366
CHEMICAL ENGINEERING	426	421	413	424	416	418	413	407	418	433	415	409
MECHANICAL ENGINEERING	329	342	337	345	340	349	351	351	355	374	374	383
CIVIL ENGINEERING	371	375	365	368	366	372	372	366	379	368	374	373
OTHER ENGINEERING	357	363	360	360	362	367	365	366	370	373	375	376
LIFE SCIENCES												
AGRICULTURE	301	303	297	301	298	314	288	289	305	312	313	320
BIOLOGICAL SCIENCES	371	371	367	369	379	387	386	383	392	395	400	392
EARTH & ENVIRONMENTAL SCI.	374	372	374	379	368	378	369	368	392	378	389	38
PSYCHOLOGY												
CHILD PSYCHOLOGY	321	317	323	321	318	331	339	347	338	330	342	337
GENERAL PSYCHOLOGY	364	369	355	362	362	372	382	366	390	389	387	378
SOCIAL PSYCHOLOGY	354	361	350	348	346	360	359	339	381	383	373	355
SOCIAL SCIENCES												
ECONOMICS	405	403	422	434	437	418	423	433	428	432	448	425
INTERNATIONAL RELATIONS	461	391	455	386	418	439	439	497	473	519	524	509
LAW ENFORCEMENT	313	312	309	309	312	324	309	298	316	315	316	321
POLITICAL SCIENCE	390	391	384	375	380	388	391	392	414	425	410	413
SOCIOLOGY	324	317	317	310	323	337	335	318	359	333	319	329
OTHER SOCIAL SCIENCES	340	340	333	349	345	349	362	359	358	362	346	357
INTERDISCIPL./OTHER SCIENCES	357	369	384	385	401	398	397	365	391	434	431	416
TOTAL OF SCIENCE, MATH & ENGINEERING	352	356	351	353	355	364	360	360	367	368	368	369

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	336	344	326	328	336	331	350	345	344	365	384	384
COMPUTER SCIENCE	334	338	327	331	331	338	331	330	329	323	320	317
PHYSICAL SCIENCES												
ASTRONOMY	472	413	380	344	373	368	385	464	307	489	460	418
CHEMISTRY	362	374	379	383	372	387	383	377	406	395	412	398
PHYSICS	395	406	410	399	483	433	427	408	448	458	455	416
ARCHITECTURE/ENVIR. ENG.	353	359	351	341	344	340	354	352	362	365	370	371
ENGINEERING												
AEROSPACE ENGINEERING	408	396	412	397	392	422	399	393	402	411	413	407
ELECTRICAL ENGINEERING	381	396	374	363	376	379	381	378	378	371	377	375
CHEMICAL ENGINEERING	417	417	405	410	401	408	415	410	408	407	410	415
MECHANICAL ENGINEERING	413	384	371	368	365	364	362	369	377	372	391	392
CIVIL ENGINEERING	397	365	379	381	368	373	388	366	374	388	378	390
OTHER ENGINEERING	422	404	404	400	390	398	397	400	388	384	384	381
LIFE SCIENCES												
AGRICULTURE	348	330	326	310	319	345	338	344	348	347	341	329
BIOLOGICAL SCIENCES	372	371	373	376	377	383	385	388	396	389	399	391
EARTH & ENVIRONMENTAL SCI.	398	394	393	372	372	389	385	398	393	378	396	400
PSYCHOLOGY												
CHILD PSYCHOLOGY	337	328	325	325	330	334	330	340	347	356	355	353
GENERAL PSYCHOLOGY	365	365	359	362	362	370	374	377	379	381	378	369
SOCIAL PSYCHOLOGY	357	353	350	347	348	354	354	363	369	372	368	358
SOCIAL SCIENCES												
ECONOMICS	353	402	402	404	382	432	464	435	418	434	444	416
INTERNATIONAL RELATIONS	452	437	415	438	451	449	474	486	452	501	517	489
LAW ENFORCEMENT	305	309	305	302	300	311	300	298	304	310	321	317
POLITICAL SCIENCE	388	372	368	376	379	383	375	378	392	388	402	406
SOCIOLOGY	321	327	320	323	317	332	332	316	342	314	326	325
OTHER SOCIAL SCIENCES	320	327	324	320	323	336	344	348	343	340	334	347
INTERDISCIPL./OTHER SCIENCES	361	353	344	357	384	369	387	386	383	438	426	437
TOTAL OF SCIENCE, MATH & ENGINEERING	351	351	347	349	349	357	354	354	358	357	359	357

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	429	411	408	409	402	398	383	390	396	410	412	413
COMPUTER SCIENCE	390	381	374	378	375	374	372	368	372	365	362	365
PHYSICAL SCIENCES												
ASTRONOMY	468	467	458	449	448	438	459	438	461	483	469	453
CHEMISTRY	449	442	446	432	444	440	442	433	444	461	446	446
PHYSICS	517	492	504	504	502	503	507	497	502	510	505	482
ARCHITECTURE/ENVIR. ENG.	381	376	371	377	372	370	365	368	380	376	382	385
ENGINEERING												
AEROSPACE ENGINEERING	402	395	402	410	404	407	408	418	424	422	424	422
ELECTRICAL ENGINEERING	390	382	380	383	386	387	379	389	386	381	384	384
CHEMICAL ENGINEERING	425	420	425	430	435	432	416	426	429	431	433	428
MECHANICAL ENGINEERING	376	369	365	373	371	375	366	374	381	388	391	393
CIVIL ENGINEERING	382	373	373	373	377	381	381	382	379	390	383	387
OTHER ENGINEERING	415	414	409	410	407	411	409	409	413	409	415	414
LIFE SCIENCES												
AGRICULTURE	391	379	374	366	365	367	361	359	360	370	372	373
BIOLOGICAL SCIENCES	443	443	440	434	439	438	436	439	446	442	443	441
EARTH & ENVIRONMENTAL SCI.	430	425	428	422	421	421	415	426	429	431	431	418
PSYCHOLOGY												
CHILD PSYCHOLOGY	388	378	370	370	366	377	380	370	382	381	381	380
GENERAL PSYCHOLOGY	424	414	415	413	414	418	415	413	419	414	418	410
SOCIAL PSYCHOLOGY	403	412	393	405	399	409	409	404	412	409	402	393
SOCIAL SCIENCES												
ECONOMICS	458	465	458	483	476	473	473	468	479	478	471	478
INTERNATIONAL RELATIONS	491	483	474	477	475	472	467	470	493	492	487	481
LAW ENFORCEMENT	356	352	348	347	344	345	349	348	354	343	348	348
POLITICAL SCIENCE	476	470	466	454	451	457	447	461	463	471	468	467
SOCIOLOGY	384	394	395	383	395	389	394	392	384	384	382	391
OTHER SOCIAL SCIENCES	410	408	404	411	398	406	406	415	416	421	423	418
INTERDISCIPL./OTHER SCIENCES	490	478	472	477	487	459	466	463	460	492	499	498
TOTAL OF SCIENCE, MATH & ENGINEERING	414	406	402	403	400	400	395	397	403	403	406	406

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	110	111	116	114	114	114	114	113	114	113	117	115
COMPUTER SCIENCE	112	112	112	109	109	107	106	108	110	112	114	115
PHYSICAL SCIENCES												
ASTRONOMY	116	118	121	121	120	113	112	120	120	116	120	119
CHEMISTRY	109	112	114	113	111	109	113	111	112	109	112	109
PHYSICS	110	112	117	111	113	112	115	115	114	114	116	117
ARCHITECTURE/ENVIR. ENG.	102	102	103	101	101	101	99	102	100	100	104	103
ENGINEERING												
AEROSPACE ENGINEERING	101	104	105	102	104	102	102	103	103	102	104	103
ELECTRICAL ENGINEERING	110	111	113	111	113	112	113	116	117	117	117	115
CHEMICAL ENGINEERING	105	106	108	106	105	103	104	105	107	104	105	106
MECHANICAL ENGINEERING	106	107	108	105	104	105	105	107	108	106	107	108
CIVIL ENGINEERING	102	102	102	101	101	101	100	104	103	101	102	101
OTHER ENGINEERING	108	107	109	107	107	106	106	108	108	111	113	113
LIFE SCIENCES												
AGRICULTURE	98	96	96	97	97	96	93	97	95	97	97	99
BIOLOGICAL SCIENCES	109	109	110	110	111	111	110	113	112	113	113	113
EARTH & ENVIRONMENTAL SCI.	98	98	98	97	99	96	97	98	98	97	99	99
PSYCHOLOGY												
CHILD PSYCHOLOGY	100	101	97	99	98	96	94	95	94	94	93	93
GENERAL PSYCHOLOGY	104	103	104	103	102	100	99	100	99	99	100	98
SOCIAL PSYCHOLOGY	102	100	102	101	100	99	98	99	98	97	97	100
SOCIAL SCIENCES												
ECONOMICS	118	121	120	118	118	112	112	115	115	114	114	114
INTERNATIONAL RELATIONS	111	112	116	114	110	111	110	108	106	102	101	106
LAW ENFORCEMENT	90	89	87	88	88	89	88	90	89	90	91	91
POLITICAL SCIENCE	109	112	115	113	113	110	111	110	110	108	107	106
SOCIOLOGY	109	106	106	111	107	107	106	109	107	109	106	107
OTHER SOCIAL SCIENCES	115	114	114	115	114	116	114	113	115	119	121	118
INTERDISCIPL./OTHER SCIENCES	112	112	117	112	114	113	115	113	116	110	116	112
TOTAL OF SCIENCE, MATH & ENGINEERING	111	111	112	111	111	110	110	112	112	113	114	113

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	107	107	112	110	110	109	110	110	111	110	114	111
COMPUTER SCIENCE	104	104	104	101	102	101	99	101	102	101	105	105
PHYSICAL SCIENCES												
ASTRONOMY	110	113	114	111	111	108	107	113	115	110	112	110
CHEMISTRY	98	102	104	103	102	102	104	100	103	101	102	99
PHYSICS	102	101	106	101	102	101	106	104	102	103	104	103
ARCHITECTURE/ENVIR. ENG.	94	95	95	94	94	94	92	95	93	93	97	96
ENGINEERING												
AEROSPACE ENGINEERING	95	97	99	97	97	96	96	96	97	94	97	96
ELECTRICAL ENGINEERING	102	103	105	102	104	102	103	105	105	103	103	102
CHEMICAL ENGINEERING	93	94	96	94	93	91	92	95	95	92	92	93
MECHANICAL ENGINEERING	98	99	100	98	97	97	97	97	99	97	98	98
CIVIL ENGINEERING	93	93	93	94	93	93	92	95	94	93	95	93
OTHER ENGINEERING	101	99	101	99	99	98	98	100	100	100	102	102
LIFE SCIENCES												
AGRICULTURE	92	91	90	90	90	92	87	91	90	90	90	92
BIOLOGICAL SCIENCES	101	102	104	102	103	103	100	104	105	103	104	104
EARTH & ENVIRONMENTAL SCI.	95	94	95	93	96	94	92	94	95	94	96	97
PSYCHOLOGY												
CHILD PSYCHOLOGY	90	96	94	96	90	96	95	95	101	88	93	94
GENERAL PSYCHOLOGY	98	100	99	99	99	97	98	100	99	99	99	97
SOCIAL PSYCHOLOGY	98	95	99	94	100	98	97	97	96	98	95	97
SOCIAL SCIENCES												
ECONOMICS	108	107	109	112	110	105	105	107	106	105	103	104
INTERNATIONAL RELATIONS	107	113	111	107	99	99	103	101	102	97	92	98
LAW ENFORCEMENT	85	85	83	83	84	86	84	86	87	87	87	88
POLITICAL SCIENCE	103	104	106	104	105	103	106	104	105	101	101	99
SOCIOLOGY	105	104	103	108	109	110	102	100	106	111	104	101
OTHER SOCIAL SCIENCES	111	108	109	108	111	110	111	111	112	115	118	113
INTERDISCIPL./OTHER SCIENCES	105	103	111	106	109	105	108	107	109	104	109	108
TOTAL OF SCIENCE, MATH & ENGINEERING	104	105	106	104	104	103	102	104	105	104	107	106

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	97	97	101	100	100	99	99	99	100	98	98	98
COMPUTER SCIENCE	98	98	97	96	96	95	94	94	96	100	99	102
PHYSICAL SCIENCES												
ASTRONOMY	110	117	115	116	120	104	110	114	115	112	113	108
CHEMISTRY	104	104	111	109	104	102	102	101	105	102	102	99
PHYSICS	100	108	115	106	110	115	114	103	112	111	108	113
ARCHITECTURE/ENVIR. ENG.	99	100	100	99	98	97	95	98	97	96	100	96
ENGINEERING												
AEROSPACE ENGINEERING	103	103	101	101	104	97	93	96	97	97	93	96
ELECTRICAL ENGINEERING	102	103	105	102	106	101	100	99	103	102	102	104
CHEMICAL ENGINEERING	98	97	97	97	97	93	92	91	93	92	94	96
MECHANICAL ENGINEERING	102	96	100	102	98	101	92	97	95	97	90	97
CIVIL ENGINEERING	100	98	96	95	96	97	95	91	99	92	93	98
OTHER ENGINEERING	95	94	97	97	97	95	94	93	95	95	96	98
LIFE SCIENCES												
AGRICULTURE	95	94	94	96	97	95	93	97	96	96	95	100
BIOLOGICAL SCIENCES	102	102	102	103	105	104	103	104	103	104	103	104
EARTH & ENVIRONMENTAL SCI.	98	97	98	97	98	93	96	99	98	95	98	96
PSYCHOLOGY												
CHILD PSYCHOLOGY	92	94	90	93	92	91	89	91	90	90	90	88
GENERAL PSYCHOLOGY	97	96	97	97	96	95	93	95	94	94	94	92
SOCIAL PSYCHOLOGY	96	95	94	96	93	94	93	94	94	92	94	95
SOCIAL SCIENCES												
ECONOMICS	105	112	111	108	106	102	102	99	106	97	104	97
INTERNATIONAL RELATIONS	104	98	101	104	102	99	96	99	95	92	90	94
LAW ENFORCEMENT	90	88	85	86	85	85	86	86	86	86	88	86
POLITICAL SCIENCE	99	101	103	100	103	100	98	99	101	100	97	97
SOCIOLOGY	95	92	94	100	94	96	94	99	98	97	99	98
OTHER SOCIAL SCIENCES	101	104	104	104	104	107	104	104	105	111	111	109
INTERDISCIPL./OTHER SCIENCES	110	107	108	109	108	105	107	106	110	105	110	106
TOTAL OF SCIENCE, MATH & ENGINEERING	103	103	104	104	103	102	101	103	103	104	104	103

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	95	92	102	88	107	98	105	88	92	101	117	98
COMPUTER SCIENCE	93	89	91	87	93	94	91	93	91	90	90	88
PHYSICAL SCIENCES												
ASTRONOMY	91	108	113	120	109	106	110	115	87	102	121	118
CHEMISTRY	108	107	96	98	107	93	97	114	99	90	113	102
PHYSICS	115	153	131	128	112	119	103	116	104	106	115	124
ARCHITECTURE/ENVIR. ENG.	85	89	88	91	90	90	90	85	87	86	93	92
ENGINEERING												
AEROSPACE ENGINEERING	95	97	94	96	96	97	100	99	99	95	100	101
ELECTRICAL ENGINEERING	94	101	97	95	97	98	99	99	101	96	95	96
CHEMICAL ENGINEERING	107	97	99	93	102	98	98	94	102	104	104	97
MECHANICAL ENGINEERING	92	100	96	103	91	94	95	103	99	101	101	106
CIVIL ENGINEERING	95	95	95	93	93	92	94	98	93	100	98	92
OTHER ENGINEERING	104	103	101	101	103	101	99	103	101	103	102	103
LIFE SCIENCES												
AGRICULTURE	79	87	84	92	89	101	72	74	89	85	75	88
BIOLOGICAL SCIENCES	101	98	105	107	105	103	104	106	107	104	106	106
EARTH & ENVIRONMENTAL SCI.	100	102	105	99	97	105	95	93	102	86	104	110
PSYCHOLOGY												
CHILD PSYCHOLOGY	76	82	84	88	89	90	93	88	94	96	91	92
GENERAL PSYCHOLOGY	99	102	94	97	94	93	98	95	95	95	101	97
SOCIAL PSYCHOLOGY	82	91	87	91	96	102	104	90	92	106	83	86
SOCIAL SCIENCES												
ECONOMICS	128	114	124	110	124	124	121	114	133	130	114	120
INTERNATIONAL RELATIONS	147	90	130	102	102	107	133	124	126	116	119	100
LAW ENFORCEMENT	81	81	78	76	76	92	83	72	75	83	82	78
POLITICAL SCIENCE	102	105	106	104	98	110	113	105	112	116	100	107
SOCIOLOGY	93	80	79	79	87	86	111	91	93	80	77	87
OTHER SOCIAL SCIENCES	100	98	96	107	105	100	111	109	106	107	103	109
INTERDISCIPL./OTHER SCIENCES	104	121	111	106	109	123	124	99	111	110	128	125
TOTAL OF SCIENCE, MATH & ENGINEERING	100	100	99	99	100	100	99	99	100	100	101	100

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	98	93	95	93	93	96	95	95	97	99	103	105
COMPUTER SCIENCE	90	89	82	89	86	88	86	84	84	82	80	80
PHYSICAL SCIENCES												
ASTRONOMY	68	136	139	87	68	96	126	146	42	165	111	108
CHEMISTRY	104	117	101	118	84	94	105	91	110	101	96	92
PHYSICS	147	124	159	143	171	141	140	108	140	126	92	146
ARCHITECTURE/ENVIR. ENG.	101	97	98	85	93	91	83	89	98	90	90	99
ENGINEERING												
AEROSPACE ENGINEERING	111	104	107	84	103	104	101	98	91	102	100	93
ELECTRICAL ENGINEERING	100	101	104	98	96	99	95	103	93	90	93	93
CHEMICAL ENGINEERING	101	102	96	103	95	96	95	98	98	88	96	96
MECHANICAL ENGINEERING	106	121	96	98	99	96	97	96	102	89	90	109
CIVIL ENGINEERING	85	101	99	91	99	90	86	104	87	82	94	91
OTHER ENGINEERING	102	101	106	99	100	98	103	96	95	99	99	98
LIFE SCIENCES												
AGRICULTURE	105	90	94	86	95	94	86	103	102	115	104	97
BIOLOGICAL SCIENCES	106	103	108	108	105	102	108	105	104	103	102	104
EARTH & ENVIRONMENTAL SCI.	117	105	104	96	84	97	112	112	94	111	115	104
PSYCHOLOGY												
CHILD PSYCHOLOGY	89	85	81	80	88	89	86	89	90	90	86	87
GENERAL PSYCHOLOGY	94	94	94	91	94	94	94	94	95	94	95	91
SOCIAL PSYCHOLOGY	96	90	96	88	94	87	92	95	85	93	88	84
SOCIAL SCIENCES												
ECONOMICS	101	116	103	115	122	111	122	100	116	91	114	115
INTERNATIONAL RELATIONS	137	117	109	101	113	114	114	110	113	110	111	104
LAW ENFORCEMENT	83	82	72	78	75	79	75	74	75	77	76	76
POLITICAL SCIENCE	105	96	98	102	101	105	99	99	100	102	101	93
SOCIOLOGY	85	83	77	87	88	91	98	84	100	91	90	88
OTHER SOCIAL SCIENCES	91	95	89	93	90	105	101	97	100	98	99	101
INTERDISCIPL./OTHER SCIENCES	105	108	94	107	112	105	121	108	113	127	104	115
TOTAL OF SCIENCE, MATH & ENGINEERING	100	98	97	97	97	98	98	96	97	98	98	99

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	134	129	132	135	138	135	136	135	130	138	146	136
COMPUTER SCIENCE	116	115	115	112	113	112	112	111	112	115	116	115
PHYSICAL SCIENCES												
ASTRONOMY	140	134	137	141	144	127	127	130	127	134	141	135
CHEMISTRY	137	132	133	130	131	127	137	133	132	131	140	133
PHYSICS	140	140	150	143	145	137	143	145	146	145	151	143
ARCHITECTURE/ENVIR. ENG.	107	108	108	106	102	104	102	107	105	105	110	110
ENGINEERING												
AEROSPACE ENGINEERING	111	114	115	112	111	110	111	115	113	112	116	113
ELECTRICAL ENGINEERING	117	117	117	118	117	123	121	127	126	125	126	123
CHEMICAL ENGINEERING	126	128	130	129	125	128	128	124	129	125	122	121
MECHANICAL ENGINEERING	115	115	114	114	110	117	115	117	120	119	119	122
CIVIL ENGINEERING	111	111	112	100	107	107	110	112	106	111	106	109
OTHER ENGINEERING	123	121	122	119	118	120	121	123	121	125	128	125
LIFE SCIENCES												
AGRICULTURE	106	102	101	99	103	95	97	106	93	109	110	109
BIOLOGICAL SCIENCES	124	123	126	126	126	129	128	128	129	128	130	129
EARTH & ENVIRONMENTAL SCI.	105	108	107	101	104	108	106	106	107	106	109	110
PSYCHOLOGY												
CHILD PSYCHOLOGY	102	98	99	96	99	97	100	93	95	94	93	95
GENERAL PSYCHOLOGY	112	111	108	112	109	106	108	108	108	104	107	105
SOCIAL PSYCHOLOGY	103	101	105	102	106	100	103	104	102	104	106	109
SOCIAL SCIENCES												
ECONOMICS	132	146	145	136	141	128	133	142	136	136	133	135
INTERNATIONAL RELATIONS	124	130	138	133	132	137	134	127	131	125	125	127
LAW ENFORCEMENT	92	89	86	90	87	90	88	87	89	85	90	93
POLITICAL SCIENCE	127	127	132	128	130	121	121	121	122	124	118	121
SOCIOLOGY	104	114	108	114	108	109	114	116	102	110	100	113
OTHER SOCIAL SCIENCES	123	119	122	122	117	121	119	121	120	127	131	129
INTERDISCIPL./OTHER SCIENCES	132	135	142	134	129	144	139	135	135	138	145	128
TOTAL OF SCIENCE, MATH & ENGINEERING	122	121	122	120	120	120	120	122	122	123	125	[illegible]

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	588	585	580	577	572	569	572	578	578	593	602	596
COMPUTER SCIENCE	529	522	517	513	507	502	497	496	501	489	485	479
PHYSICAL SCIENCES	595	590	586	585	580	582	583	583	587	598	597	584
ARCHITECTURE/ENVIR. ENG.	506	501	496	492	489	487	486	486	491	494	498	500
ENGINEERING	550	543	540	538	537	540	543	546	548	553	555	548
LIFE SCIENCES	500	496	493	490	489	489	494	499	505	504	505	504
EARTH & ENVIRONMENTAL SCI.	501	495	490	489	486	485	485	485	487	489	487	486
PSYCHOLOGY	455	449	447	447	447	446	449	453	455	455	459	457
SOCIAL SCIENCES	465	456	457	460	461	464	468	470	475	469	470	471
INTERDISCIPL/OTHER SCIENCES	593	585	578	574	575	572	572	575	575	589	600	597
TOTAL OF SCIENCE, MATH & ENGINEERING	514	509	507	507	507	508	509	511	514	513	513	507

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	617	617	614	608	604	600	601	605	608	621	633	626
COMPUTER SCIENCE	567	562	554	551	544	540	534	533	540	538	541	537
PHYSICAL SCIENCES	614	612	606	605	599	605	605	606	609	617	617	610
ARCHITECTURE/ENVIR. ENG.	519	514	510	505	502	501	498	496	502	505	508	510
ENGINEERING	560	556	552	550	549	553	555	558	561	570	573	567
LIFE SCIENCES	517	510	505	502	503	502	505	509	514	518	516	517
EARTH & ENVIRONMENTAL SCI.	510	505	500	499	497	496	494	493	497	501	498	498
PSYCHOLOGY	502	495	496	491	491	492	490	489	495	501	504	501
SOCIAL SCIENCES	500	490	490	493	494	494	492	492	497	496	497	497
INTERDISCIPL/OTHER SCIENCES	610	605	596	592	590	591	591	593	591	601	615	610
TOTAL OF SCIENCE, MATH & ENGINEERING	545	541	538	537	536	538	538	539	543	546	547	542

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	578	578	570	572	566	564	568	575	575	585	590	589
COMPUTER SCIENCE	534	525	521	517	508	501	495	493	495	481	473	469
PHYSICAL SCIENCES	570	563	562	561	555	551	555	558	564	575	570	556
ARCHITECTURE/ENVIR. ENG.	521	518	514	509	506	501	503	508	511	510	519	520
ENGINEERING	585	578	571	570	565	564	567	575	574	574	574	564
LIFE SCIENCES	500	498	494	492	491	491	495	505	510	505	507	505
EARTH & ENVIRONMENTAL SCI.	491	488	482	482	480	475	479	481	482	483	482	481
PSYCHOLOGY	461	458	455	455	454	450	453	458	459	458	463	462
SOCIAL SCIENCES	465	459	459	463	462	465	469	473	478	472	475	478
INTERDISCIPL/OTHER SCIENCES	573	563	559	552	560	553	556	561	567	577	582	583
TOTAL OF SCIENCE, MATH & ENGINEERING	498	494	493	495	494	495	497	501	501	496	496	494

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	429	411	418	404	420	415	428	430	437	479	494	478
COMPUTER SCIENCE	399	396	395	393	399	400	399	401	403	396	395	396
PHYSICAL SCIENCES	464	451	453	456	455	457	473	449	467	469	492	477
ARCHITECTURE/ENVIR. ENG.	379	389	382	382	382	390	386	389	389	394	397	405
ENGINEERING	422	424	420	424	423	429	431	434	437	439	440	444
LIFE SCIENCES	386	386	387	385	392	395	400	397	406	409	411	413
EARTH & ENVIRONMENTAL SCI.	385	384	395	395	380	401	392	382	394	405	415	402
PSYCHOLOGY	369	364	367	366	366	368	369	375	389	390	389	386
SOCIAL SCIENCES	365	359	369	368	371	373	373	363	383	375	367	369
INTERDISCIPL/OTHER SCIENCES	402	418	427	436	450	446	433	420	445	452	477	470
TOTAL OF SCIENCE, MATH & ENGINEERING	400	401	402	404	406	410	411	411	417	417	417	418

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	415	416	404	410	414	417	429	435	435	459	467	480
COMPUTER SCIENCE	370	369	366	374	372	375	369	371	371	361	357	359
PHYSICAL SCIENCES	411	404	402	413	415	418	429	425	432	440	451	436
ARCHITECTURE/ENVIR. ENG.	382	392	392	380	385	380	393	395	396	395	402	418
ENGINEERING	463	441	439	440	434	433	441	450	444	436	437	442
LIFE SCIENCES	377	376	381	383	387	387	393	404	408	395	406	409
EARTH & ENVIRONMENTAL SCI.	398	377	398	388	375	379	391	398	373	376	397	418
PSYCHOLOGY	354	351	349	352	354	357	358	363	368	371	369	374
SOCIAL SCIENCES	336	335	337	341	339	347	353	358	357	347	351	362
INTERDISCIPL/OTHER SCIENCES	384	385	372	394	413	392	420	404	401	463	439	484
TOTAL OF SCIENCE, MATH & ENGINEERING	367	365	367	374	375	381	382	387	388	382	383	387

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	574	557	557	553	546	546	549	549	552	571	585	570
COMPUTER SCIENCE	506	499	494	492	492	484	480	478	482	469	469	467
PHYSICAL SCIENCES	577	571	573	567	571	571	571	569	579	593	593	567
ARCHITECTURE/ENVIR. ENG.	482	473	468	474	470	466	465	467	471	476	479	483
ENGINEERING	530	518	520	521	521	521	523	531	531	536	538	533
LIFE SCIENCES	487	483	484	482	479	482	492	497	505	508	512	511
EARTH & ENVIRONMENTAL SCI.	478	462	468	460	462	456	455	459	465	467	465	463
PSYCHOLOGY	433	420	418	423	421	423	428	429	430	433	435	437
SOCIAL SCIENCES	439	428	434	440	442	443	446	449	451	452	453	456
INTERDISCIPL/OTHER SCIENCES	581	567	566	568	572	559	555	563	559	592	587	587
TOTAL OF SCIENCE, MATH & ENGINEERING	495	486	489	492	493	493	494	497	500	502	504	498

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	108	111	115	114	113	114	114	111	111	111	111	113
COMPUTER SCIENCE	124	124	122	120	118	117	119	119	121	127	131	130
PHYSICAL SCIENCES	112	115	115	115	111	115	116	115	113	116	114	119
ARCHITECTURE/ENVIR. ENG.	110	109	109	108	108	108	109	109	108	110	114	111
ENGINEERING	115	116	115	114	112	113	115	115	115	118	119	119
LIFE SCIENCES	114	114	113	114	113	114	117	119	117	121	122	121
EARTH & ENVIRONMENTAL SCI.	104	104	102	102	102	101	104	103	104	105	107	107
PSYCHOLOGY	108	107	106	104	104	104	105	105	105	106	108	107
SOCIAL SCIENCES	117	115	115	116	116	117	118	118	118	123	124	122
INTERDISCIPL/OTHER SCIENCES	114	115	115	115	112	116	118	114	116	113	116	115
TOTAL OF SCIENCE, MATH & ENGINEERING	122	122	121	120	118	119	121	121	121	125	127	125

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	101	102	105	105	106	109	109	107	106	106	105	107
COMPUTER SCIENCE	112	112	113	110	109	110	111	110	111	114	117	116
PHYSICAL SCIENCES	102	104	106	105	103	106	107	106	105	108	106	108
ARCHITECTURE/ENVIR. ENG.	104	102	102	102	102	102	104	104	103	105	110	107
ENGINEERING	108	108	109	108	106	107	109	108	108	109	110	110
LIFE SCIENCES	114	113	113	113	112	114	116	118	117	120	121	120
EARTH & ENVIRONMENTAL SCI.	103	103	101	101	101	101	102	102	104	105	108	106
PSYCHOLOGY	109	108	107	105	106	105	107	106	107	109	109	110
SOCIAL SCIENCES	117	115	116	116	117	117	120	119	119	122	126	123
INTERDISCIPL/OTHER SCIENCES	105	106	110	108	108	108	110	108	111	108	110	112
TOTAL OF SCIENCE, MATH & ENGINEERING	115	115	115	113	112	112	115	114	114	117	120	119

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	90	93	95	95	95	96	97	95	95	96	96	97
COMPUTER SCIENCE	101	103	101	100	100	100	103	103	104	110	111	114
PHYSICAL SCIENCES	102	105	105	104	101	103	106	102	102	106	106	107
ARCHITECTURE/ENVIR. ENG.	97	100	97	98	98	99	100	103	101	101	106	103
ENGINEERING	92	95	95	95	93	94	95	95	94	98	99	103
LIFE SCIENCES	106	106	105	106	105	107	109	112	109	112	113	112
EARTH & ENVIRONMENTAL SCI.	99	99	96	97	98	95	102	101	100	100	102	103
PSYCHOLOGY	99	98	97	97	97	98	99	100	100	101	102	100
SOCIAL SCIENCES	104	103	103	105	103	106	107	109	108	113	113	111
INTERDISCIPL/OTHER SCIENCES	107	107	104	110	102	109	109	107	106	106	108	106
TOTAL OF SCIENCE, MATH & ENGINEERING	110	110	109	109	107	108	110	111	110	114	114	112

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	108	116	111	103	118	114	116	113	112	120	126	116
COMPUTER SCIENCE	102	101	98	95	102	98	96	100	101	99	102	100
PHYSICAL SCIENCES	113	123	113	128	120	119	115	112	117	111	129	124
ARCHITECTURE/ENVIR. ENG.	92	99	95	97	98	96	92	97	97	94	100	97
ENGINEERING	111	112	109	107	110	109	109	112	113	112	113	112
LIFE SCIENCES	99	103	103	101	108	108	111	110	109	111	115	109
EARTH & ENVIRONMENTAL SCI.	94	99	103	100	90	101	94	102	96	93	98	117
PSYCHOLOGY	92	94	94	83	90	88	94	92	93	102	97	94
SOCIAL SCIENCES	94	96	100	101	100	98	103	101	108	104	102	97
INTERDISCIPL/OTHER SCIENCES	107	127	106	113	114	123	139	117	129	115	140	141
TOTAL OF SCIENCE, MATH & ENGINEERING	106	109	106	105	108	106	106	108	109	110	112	110

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	96	99	98	94	103	104	107	109	101	106	101	108
COMPUTER SCIENCE	89	90	87	85	87	86	85	85	86	81	85	83
PHYSICAL SCIENCES	116	111	100	108	98	108	103	104	107	99	96	107
ARCHITECTURE/ENVIR. ENG.	96	101	92	86	89	85	90	91	99	93	98	99
ENGINEERING	97	99	103	98	95	96	101	101	100	99	100	102
LIFE SCIENCES	94	93	95	95	95	92	99	100	101	100	102	103
EARTH & ENVIRONMENTAL SCI.	102	79	94	91	75	102	99	98	80	106	109	95
PSYCHOLOGY	81	80	78	76	81	81	81	85	85	85	88	87
SOCIAL SCIENCES	77	78	74	79	81	83	86	91	87	85	89	90
INTERDISCIPL/OTHER SCIENCES	98	88	86	102	106	102	113	105	116	110	108	115
TOTAL OF SCIENCE, MATH & ENGINEERING	93	92	91	92	93	93	95	97	96	95	98	98

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	122	124	129	131	133	129	134	129	125	131	126	132
COMPUTER SCIENCE	127	129	126	126	124	124	125	124	127	133	136	134
PHYSICAL SCIENCES	129	130	133	131	126	125	132	132	123	130	129	135
ARCHITECTURE/ENVIR. ENG.	114	119	117	113	115	116	116	119	114	116	118	120
ENGINEERING	123	127	124	123	121	123	125	125	125	128	129	128
LIFE SCIENCES	123	124	123	125	126	127	128	130	131	132	134	133
EARTH & ENVIRONMENTAL SCI.	110	107	105	107	108	105	107	110	112	112	114	117
PSYCHOLOGY	112	108	107	107	106	105	110	108	108	109	112	111
SOCIAL SCIENCES	122	120	121	122	123	123	123	124	125	128	130	131
INTERDISCIPL/OTHER SCIENCES	130	128	129	130	127	131	138	131	130	135	134	130
TOTAL OF SCIENCE, MATH & ENGINEERING	129	130	129	128	127	127	129	129	130	133	135	133

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	588	585	580	577	572	569	572	578	578	593	602	596
COMPUTER SCIENCE	529	522	517	513	507	502	497	496	501	489	485	479
PHYSICAL SCIENCES												
ASTRONOMY	571	556	549	554	547	555	554	553	555	578	580	562
CHEMISTRY	573	567	562	561	556	556	558	557	562	572	574	565
PHYSICS	640	634	634	629	625	629	628	628	631	641	638	621
ARCHITECTURE/ENVIR. ENG.	506	501	496	492	489	487	486	486	491	494	498	500
ENGINEERING												
AEROSPACE ENGINEERING	533	529	528	529	529	536	538	541	547	555	556	550
ELECTRICAL ENGINEERING	534	528	526	524	526	530	531	541	543	543	541	532
CHEMICAL ENGINEERING	606	597	586	587	583	583	585	586	585	589	588	582
MECHANICAL ENGINEERING	530	526	524	522	521	522	525	528	533	543	550	545
CIVIL ENGINEERING	545	542	533	529	526	528	529	529	532	533	529	525
OTHER ENGINEERING	560	553	550	547	545	546	549	554	554	559	562	556
LIFE SCIENCES												
AGRICULTURE	458	447	443	438	439	436	435	431	433	436	437	440
BIOLOGICAL SCIENCES	520	517	513	511	510	509	514	519	523	524	526	524
EARTH & ENVIRONMENTAL SCI.	501	495	490	489	486	485	485	485	487	489	487	486
PSYCHOLOGY												
CHILD PSYCHOLOGY	428	419	418	420	419	418	422	427	430	428	431	434
GENERAL PSYCHOLOGY	467	463	460	459	460	459	462	465	468	463	466	463
SOCIAL PSYCHOLOGY	444	441	442	441	441	440	444	447	449	451	447	454
SOCIAL SCIENCES												
ECONOMICS	560	551	557	558	553	553	562	560	564	576	575	565
INTERNATIONAL RELATIONS	525	517	519	519	520	519	527	528	541	546	550	546
LAW ENFORCEMENT	421	414	410	409	406	405	404	407	413	408	409	410
POLITICAL SCIENCE	514	503	498	497	497	498	499	503	508	515	519	517
SOCIOLOGY	425	424	426	426	426	424	434	425	435	429	428	432
OTHER SOCIAL SCIENCES	459	453	454	456	453	457	463	467	469	467	470	477
INTERDISCIPL./OTHER SCIENCES	593	585	578	574	575	572	572	575	575	589	600	597
TOTAL OF SCIENCE, MATH & ENGINEERING	514	509	507	507	507	508	509	511	514	513	513	507

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS (WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	617	617	614	608	604	600	601	605	608	621	633	626
COMPUTER SCIENCE	567	562	554	551	544	540	534	533	540	538	541	537
PHYSICAL SCIENCES												
ASTRONOMY	585	570	563	575	562	572	569	570	567	592	600	586
CHEMISTRY	594	592	583	583	578	583	584	582	583	593	596	596
PHYSICS	648	646	643	638	633	639	639	638	644	650	645	637
ARCHITECTURE/ENVIR. ENG.	519	514	510	505	502	501	498	496	502	505	508	510
ENGINEERING												
AEROSPACE ENGINEERING	545	543	542	541	542	550	550	553	559	569	569	566
ELECTRICAL ENGINEERING	550	546	542	541	542	546	548	555	560	565	564	555
CHEMICAL ENGINEERING	620	613	604	605	602	604	606	605	605	613	612	607
MECHANICAL ENGINEERING	543	539	537	533	533	536	538	540	545	554	564	559
CIVIL ENGINEERING	552	553	544	540	537	540	539	539	543	544	543	538
OTHER ENGINEERING	569	563	558	557	554	557	560	563	565	576	582	577
LIFE SCIENCES												
AGRICULTURE	467	456	452	445	448	444	441	437	437	443	441	446
BIOLOGICAL SCIENCES	546	541	536	534	534	534	539	542	544	551	550	550
EARTH & ENVIRONMENTAL SCI.	510	505	500	499	497	496	494	493	497	501	498	498
PSYCHOLOGY												
CHILD PSYCHOLOGY	463	447	455	450	452	453	450	457	455	466	462	475
GENERAL PSYCHOLOGY	510	504	502	498	498	497	498	495	500	503	506	503
SOCIAL PSYCHOLOGY	487	483	493	483	484	486	479	480	496	502	495	496
SOCIAL SCIENCES												
ECONOMICS	586	580	579	576	576	572	584	578	584	598	597	585
INTERNATIONAL RELATIONS	560	552	554	548	545	553	568	557	572	575	585	580
LAW ENFORCEMENT	438	431	426	425	424	421	417	423	428	430	429	431
POLITICAL SCIENCE	544	536	530	529	526	526	529	531	535	544	551	548
SOCIOLOGY	477	473	475	474	473	467	463	467	479	490	472	497
OTHER SOCIAL SCIENCES	511	504	503	502	499	502	505	505	508	509	509	517
INTERDISCIPL./OTHER SCIENCES	610	605	596	592	590	591	591	593	591	601	615	610
TOTAL OF SCIENCE, MATH & ENGINEERING	545	541	538	537	536	538	538	539	543	546	547	542

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS
(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	578	578	570	572	566	564	568	575	575	585	590	589
COMPUTER SCIENCE	534	525	521	517	508	501	495	493	495	481	473	469
PHYSICAL SCIENCES												
ASTRONOMY	553	538	531	534	523	534	532	542	554	564	558	539
CHEMISTRY	562	556	555	553	546	543	547	548	555	564	560	552
PHYSICS	621	609	620	610	604	599	603	608	597	618	615	588
ARCHITECTURE/ENVIR. ENG.	521	518	514	509	506	501	503	508	511	510	519	520
ENGINEERING												
AEROSPACE ENGINEERING	541	533	530	535	533	534	545	554	552	558	555	545
ELECTRICAL ENGINEERING	581	568	576	570	562	565	568	577	573	571	568	555
CHEMICAL ENGINEERING	608	603	586	591	581	582	583	589	585	584	584	578
MECHANICAL ENGINEERING	559	554	551	549	551	551	552	554	561	566	563	557
CIVIL ENGINEERING	582	568	556	561	545	552	550	555	564	568	555	555
OTHER ENGINEERING	589	585	578	575	571	567	570	579	580	579	582	573
LIFE SCIENCES												
AGRICULTURE	456	449	443	440	439	435	436	433	439	436	441	444
BIOLOGICAL SCIENCES	518	517	512	511	509	509	512	521	524	522	525	522
EARTH & ENVIRONMENTAL SCI.	491	488	482	482	480	475	479	481	482	483	482	481
PSYCHOLOGY												
CHILD PSYCHOLOGY	447	439	436	438	434	429	433	438	440	440	444	445
GENERAL PSYCHOLOGY	470	469	465	464	465	461	464	469	471	465	469	468
SOCIAL PSYCHOLOGY	449	448	448	449	446	443	447	452	451	450	451	457
SOCIAL SCIENCES												
ECONOMICS	545	533	542	555	539	540	544	552	555	563	553	554
INTERNATIONAL RELATIONS	517	515	515	521	518	517	518	526	536	542	548	543
LAW ENFORCEMENT	419	411	410	408	405	400	404	407	411	411	416	420
POLITICAL SCIENCE	506	497	494	495	492	493	496	497	503	507	509	509
SOCIOLOGY	447	444	443	446	439	439	445	437	443	437	441	439
OTHER SOCIAL SCIENCES	461	458	456	458	455	458	463	467	470	465	470	479
INTERDISCIPL./OTHER SCIENCES	573	563	559	552	560	553	556	561	567	577	582	583
TOTAL OF SCIENCE, MATH & ENGINEERING	498	494	493	495	494	495	497	501	501	496	496	494

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	429	411	418	404	420	415	428	430	437	479	494	478
COMPUTER SCIENCE	399	396	395	393	399	400	399	401	403	396	395	396
PHYSICAL SCIENCES												
ASTRONOMY	432	414	385	412	435	441	467	441	430	447	470	442
CHEMISTRY	439	447	445	442	444	431	454	454	440	450	473	465
PHYSICS	519	476	500	500	487	513	506	442	513	513	538	520
ARCHITECTURE/ENVIR. ENG.	379	389	382	382	382	390	386	389	389	394	397	405
ENGINEERING												
AEROSPACE ENGINEERING	420	425	427	430	434	444	442	446	455	461	459	462
ELECTRICAL ENGINEERING	410	414	407	408	410	419	422	428	431	429	430	432
CHEMICAL ENGINEERING	511	494	488	493	479	481	491	489	486	495	488	495
MECHANICAL ENGINEERING	397	406	400	407	405	409	416	419	416	436	441	450
CIVIL ENGINEERING	443	443	431	445	429	437	431	433	441	426	425	430
OTHER ENGINEERING	426	425	427	428	427	429	431	430	436	436	439	443
LIFE SCIENCES												
AGRICULTURE	347	343	338	348	343	347	319	328	337	350	338	358
BICLOGICAL SCIENCES	396	398	402	397	406	406	419	410	419	421	426	425
EARTH & ENVIRONMENTAL SCI.	385	384	395	395	380	401	392	382	394	405	415	402
PSYCHOLOGY												
CHILD PSYCHOLOGY	347	328	340	347	344	345	333	373	355	354	370	356
GENERAL PSYCHOLOGY	377	377	376	377	375	375	382	381	401	397	393	390
SOCIAL PSYCHOLOGY	361	363	368	355	358	369	355	354	383	374	380	398
SOCIAL SCIENCES												
ECONOMICS	435	475	467	457	460	446	481	441	464	463	488	434
INTERNATIONAL RELATIONS	435	432	425	422	427	460	426	451	468	485	499	488
LAW ENFORCEMENT	338	331	330	331	340	336	337	316	335	340	341	344
POLITICAL SCIENCE	395	386	396	385	388	389	393	394	423	422	412	411
SOCIOLOGY	334	327	342	318	340	354	350	322	371	361	338	348
OTHER SOCIAL SCIENCES	358	352	365	370	364	367	371	371	376	380	368	379
INTERDISCIPL./OTHER SCIENCES	402	418	427	436	450	446	433	420	445	452	477	470
TOTAL OF SCIENCE, MATH & ENGINEERING	400	401	402	404	406	410	411	411	417	417	417	418

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS (BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	415	416	404	410	414	417	429	435	435	459	467	480
COMPUTER SCIENCE	370	369	366	374	372	375	369	371	371	361	357	359
PHYSICAL SCIENCES												
ASTRONOMY	454	420	355	362	364	346	400	460	330	473	452	438
CHEMISTRY	404	398	401	414	403	420	424	418	429	427	443	430
PHYSICS	439	434	431	428	500	425	474	451	468	508	517	461
ARCHITECTURE/ENVIR. ENG.	382	392	392	380	385	380	393	395	396	395	402	418
ENGINEERING												
AEROSPACE ENGINEERING	449	420	433	414	421	429	438	428	440	444	449	437
ELECTRICAL ENGINEERING	433	436	415	418	431	422	429	442	438	430	431	442
CHEMICAL ENGINEERING	469	463	440	456	446	451	459	466	463	458	461	476
MECHANICAL ENGINEERING	482	427	416	424	421	411	422	435	434	429	454	455
CIVIL ENGINEERING	469	407	440	423	422	417	434	416	422	441	436	445
OTHER ENGINEERING	468	445	450	450	436	438	443	460	446	434	432	434
LIFE SCIENCES												
AGRICULTURE	355	324	346	328	340	358	339	380	348	360	352	350
BIOLOGICAL SCIENCES	379	380	385	388	391	389	396	406	412	398	409	413
EARTH & ENVIRONMENTAL SCI.	398	377	398	388	375	379	391	398	373	376	397	418
PSYCHOLOGY												
CHILD PSYCHOLOGY	340	335	339	340	342	346	341	348	354	356	352	364
GENERAL PSYCHOLOGY	363	363	355	363	365	367	370	374	379	376	377	378
SOCIAL PSYCHOLOGY	358	353	351	346	349	351	356	359	367	378	363	377
SOCIAL SCIENCES												
ECONOMICS	373	393	391	410	390	416	433	445	418	428	456	432
INTERNATIONAL RELATIONS	416	396	399	417	425	417	426	459	426	452	467	469
LAW ENFORCEMENT	316	317	319	320	316	331	320	324	321	328	335	339
POLITICAL SCIENCE	375	363	361	370	370	373	362	376	384	384	394	405
SOCIOLOGY	326	329	332	337	330	338	341	327	350	327	337	340
OTHER SOCIAL SCIENCES	330	332	334	334	333	338	348	354	349	340	340	360
INTERDISCIPL./OTHER SCIENCES	384	385	372	394	413	392	420	404	401	463	439	484
TOTAL OF SCIENCE, MATH & ENGINEERING	367	365	367	374	375	381	382	387	388	382	383	387

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERNG FIELDS (OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	574	557	557	553	546	546	549	549	552	571	585	570
COMPUTER SCIENCE	506	499	494	492	492	484	480	478	482	469	469	467
PHYSICAL SCIENCES												
ASTRONOMY	534	535	537	511	527	520	529	519	528	551	552	539
CHEMISTRY	550	548	550	538	538	533	545	541	557	569	572	543
PHYSICS	629	613	613	620	625	629	617	622	623	640	641	608
ARCHITECTURE/ENVIR. ENG.	482	473	468	474	470	466	465	467	471	476	479	483
ENGINEERING												
AEROSPACE ENGINEERING	502	493	501	506	501	499	507	515	519	528	530	522
ELECTRICAL ENGINEERING	520	508	511	515	522	524	520	537	536	534	538	533
CHEMICAL ENGINEERING	585	566	568	564	574	563	560	572	568	570	573	569
MECHANICAL ENGINEERING	507	492	499	504	497	498	499	504	517	533	535	527
CIVIL ENGINEERING	532	525	522	513	514	511	521	520	516	516	508	508
OTHER ENGINEERING	543	533	532	530	527	528	531	533	534	539	543	538
LIFE SCIENCES												
AGRICULTURE	436	416	421	414	405	411	419	405	408	417	423	422
BIOLOGICAL SCIENCES	504	501	499	499	497	498	506	510	516	519	523	523
EARTH & ENVIRONMENTAL SCI.	478	462	468	460	462	456	455	459	465	467	465	463
PSYCHOLOGY												
CHILD PSYCHOLOGY	409	393	390	392	395	398	405	400	404	398	407	414
GENERAL PSYCHOLOGY	444	432	431	434	434	435	439	442	443	443	443	444
SOCIAL PSYCHOLOGY	419	416	413	430	417	420	425	427	427	432	423	433
SOCIAL SCIENCES												
ECONOMICS	545	531	550	549	551	554	566	551	556	577	569	571
INTERNATIONAL RELATIONS	500	467	488	482	498	489	508	490	515	522	514	518
LAW ENFORCEMENT	385	378	375	381	372	373	379	373	384	379	381	389
POLITICAL SCIENCE	490	481	479	475	474	475	463	482	473	486	493	496
SOCIOLOGY	405	415	422	410	424	409	437	426	418	419	423	428
OTHER SOCIAL SCIENCES	433	424	428	435	431	430	432	442	440	446	453	457
INTERDISCIPL./OTHER SCIENCES	581	567	566	568	572	559	555	563	559	592	587	587
TOTAL OF SCIENCE, MATH & ENGINEERING	495	486	489	492	493	493	494	497	500	502	504	498

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	108	111	115	114	113	114	114	111	111	111	111	113
COMPUTER SCIENCE	124	124	122	120	118	117	119	119	121	127	131	130
PHYSICAL SCIENCES												
ASTRONOMY	116	121	120	120	117	116	118	122	120	121	121	125
CHEMISTRY	110	112	112	111	108	111	111	110	109	112	111	113
PHYSICS	99	104	102	103	97	103	107	104	101	104	103	112
ARCHITECTURE/ENVIR. ENG.	110	109	109	108	108	108	109	109	108	110	114	111
ENGINEERING												
AEROSPACE ENGINEERING	111	112	112	111	109	110	111	110	109	111	112	113
ELECTRICAL ENGINEERING	119	121	120	121	118	120	123	121	121	124	125	125
CHEMICAL ENGINEERING	97	102	103	101	102	102	104	102	104	105	106	108
MECHANICAL ENGINEERING	116	116	116	113	112	113	114	115	114	115	115	115
CIVIL ENGINEERING	106	107	108	107	105	107	108	109	109	111	113	111
OTHER ENGINEERING	113	114	113	112	111	111	113	113	113	118	121	121
LIFE SCIENCES												
AGRICULTURE	104	102	101	99	101	100	100	101	102	102	106	105
BIOLOGICAL SCIENCES	113	112	111	112	111	113	115	116	114	119	119	119
EARTH & ENVIRONMENTAL SCI.	104	104	102	102	102	101	104	103	104	105	107	107
PSYCHOLOGY												
CHILD PSYCHOLOGY	103	103	99	99	98	97	99	100	99	100	102	101
GENERAL PSYCHOLOGY	109	107	106	105	105	104	105	105	105	107	108	10
SOCIAL PSYCHOLOGY	105	102	104	102	102	102	103	105	104	105	107	108
SOCIAL SCIENCES												
ECONOMICS	117	119	114	116	116	115	113	113	118	115	117	120
INTERNATIONAL RELATIONS	111	111	109	110	106	108	109	109	105	107	106	106
LAW ENFORCEMENT	98	96	93	92	94	93	93	95	96	97	101	100
POLITICAL SCIENCE	114	117	117	115	115	114	116	115	115	117	117	115
SOCIOLOGY	108	105	107	107	104	103	107	107	105	112	111	112
OTHER SOCIAL SCIENCES	116	114	113	113	113	113	115	115	115	120	122	121
INTERDISCIPL./OTHER SCIENCES	114	115	115	115	112	116	118	114	116	113	116	115
TOTAL OF SCIENCE, MATH & ENGINEERING	122	122	121	120	118	119	121	121	121	125	127	125

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	101	102	105	105	106	109	109	107	106	106	105	107
COMPUTER SCIENCE	112	112	113	110	109	110	111	110	111	114	117	116
PHYSICAL SCIENCES												
ASTRONOMY	110	117	116	111	112	114	114	119	116	117	115	118
CHEMISTRY	100	101	103	102	99	102	103	101	103	105	103	102
PHYSICS	93	93	94	96	92	96	99	96	92	96	97	102
ARCHITECTURE/ENVIR. ENG.	104	102	102	102	102	102	104	104	103	105	110	107
ENGINEERING												
AEROSPACE ENGINEERING	105	106	106	105	104	104	106	105	104	104	106	107
ELECTRICAL ENGINEERING	111	112	112	112	110	111	115	113	112	113	115	114
CHEMICAL ENGINEERING	90	92	95	92	92	92	94	93	94	93	94	97
MECHANICAL ENGINEERING	108	109	109	107	105	106	107	108	107	108	108	108
CIVIL ENGINEERING	100	98	101	101	98	99	102	102	102	106	108	106
OTHER ENGINEERING	108	108	109	107	106	107	109	108	108	110	111	111
LIFE SCIENCES												
AGRICULTURE	105	102	101	98	101	100	99	99	101	102	105	104
BIOLOGICAL SCIENCES	108	108	108	108	107	108	111	111	108	112	113	113
EARTH & ENVIRONMENTAL SCI.	103	103	101	101	101	101	102	102	104	105	108	106
PSYCHOLOGY												
CHILD PSYCHOLOGY	103	103	100	103	98	104	105	101	106	105	110	107
GENERAL PSYCHOLOGY	109	108	106	104	106	104	107	106	106	108	108	110
SOCIAL PSYCHOLOGY	111	103	109	104	106	104	105	103	105	110	107	113
SOCIAL SCIENCES												
ECONOMICS	110	105	108	111	107	109	111	107	110	109	110	112
INTERNATIONAL RELATIONS	109	114	106	112	105	109	103	108	103	106	103	104
LAW ENFORCEMENT	97	94	93	90	93	93	91	94	94	97	101	100
POLITICAL SCIENCE	108	112	111	111	113	109	113	111	113	113	114	110
SOCIOLOGY	107	108	114	108	109	115	111	109	108	118	116	113
OTHER SOCIAL SCIENCES	115	111	112	111	113	112	115	114	114	119	123	120
INTERDISCIPL./OTHER SCIENCES	105	106	110	108	108	108	110	108	111	108	110	112
TOTAL OF SCIENCE, MATH & ENGINEERING	115	115	115	113	112	112	115	114	114	117	120	119

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	90	93	95	95	95	96	97	95	95	96	96	97
COMPUTER SCIENCE	101	103	101	100	100	100	103	103	104	110	111	114
PHYSICAL SCIENCES												
ASTRONOMY	103	115	108	112	110	106	114	111	112	113	108	113
CHEMISTRY	100	102	101	100	98	100	100	99	99	100	102	102
PHYSICS	92	98	96	93	91	99	105	93	100	109	104	110
ARCHITECTURE/ENVIR. ENG.	97	100	97	98	98	99	100	103	101	101	106	103
ENGINEERING												
AEROSPACE ENGINEERING	101	103	105	101	97	103	100	99	98	104	100	103
ELECTRICAL ENGINEERING	102	102	97	97	102	98	101	97	99	100	101	109
CHEMICAL ENGINEERING	85	88	87	90	88	87	90	89	88	91	94	93
MECHANICAL ENGINEERING	101	102	101	104	100	99	95	105	98	102	99	100
CIVIL ENGINEERING	92	91	91	90	87	91	94	97	92	95	96	101
OTHER ENGINEERING	87	91	91	93	89	92	94	92	91	96	98	102
LIFE SCIENCES												
AGRICULTURE	100	98	97	96	95	96	97	100	99	99	102	103
BIOLOGICAL SCIENCES	103	103	102	103	103	104	107	108	105	109	109	108
EARTH & ENVIRONMENTAL SCI.	99	99	96	97	98	95	102	101	100	100	102	103
PSYCHOLOGY												
CHILD PSYCHOLOGY	97	97	94	94	94	93	94	98	96	97	99	97
GENERAL PSYCHOLOGY	99	98	98	98	97	99	99	100	100	101	102	100
SOCIAL PSYCHOLOGY	97	96	95	97	95	96	97	101	98	99	103	101
SOCIAL SCIENCES												
ECONOMICS	99	109	102	105	103	103	101	105	111	103	107	103
INTERNATIONAL RELATIONS	103	97	97	101	96	96	101	102	97	97	97	96
LAW ENFORCEMENT	94	90	88	89	89	89	90	90	90	91	95	94
POLITICAL SCIENCE	98	99	104	99	100	102	102	104	102	105	104	103
SOCIOLOGY	98	92	97	97	96	94	96	99	97	100	102	102
OTHER SOCIAL SCIENCES	103	101	100	102	100	103	105	106	105	111	111	111
INTERDISCIPL./OTHER SCIENCES	107	107	104	110	102	109	109	107	106	106	108	106
TOTAL OF SCIENCE, MATH & ENGINEERING	110	110	109	109	107	108	110	111	110	114	114	112

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	108	116	111	103	118	114	116	113	112	120	126	116
COMPUTER SCIENCE	102	101	98	95	102	98	96	100	101	99	102	100
PHYSICAL SCIENCES												
ASTRONOMY	113	124	111	117	123	111	126	130	128	121	140	134
CHEMISTRY	106	112	101	116	125	97	103	101	101	98	117	116
PHYSICS	106	139	124	137	103	137	119	121	116	114	127	117
ARCHITECTURE/ENVIR. ENG.	92	99	95	97	98	96	92	97	97	94	100	97
ENGINEERING												
AEROSPACE ENGINEERING	105	107	102	102	103	107	106	106	110	109	109	108
ELECTRICAL ENGINEERING	103	110	105	103	108	107	111	112	112	108	109	111
CHEMICAL ENGINEERING	101	106	113	99	114	104	105	109	109	116	115	110
MECHANICAL ENGINEERING	102	111	103	107	102	107	107	114	114	117	111	114
CIVIL ENGINEERING	111	106	101	101	107	106	100	107	105	107	105	104
OTHER ENGINEERING	117	116	114	109	113	111	108	114	113	115	117	114
LIFE SCIENCES												
AGRICULTURE	76	89	85	99	100	96	82	78	83	84	80	79
BIOLOGICAL SCIENCES	102	103	103	99	107	107	109	110	109	112	115	111
EARTH & ENVIRONMENTAL SCI.	94	99	103	100	90	101	94	102	96	93	98	117
PSYCHOLOGY												
CHILD PSYCHOLOGY	80	71	87	85	77	80	69	84	80	91	94	88
GENERAL PSYCHOLOGY	96	97	95	83	93	85	99	91	95	101	97	94
SOCIAL PSYCHOLOGY	80	96	95	73	92	99	86	96	88	115	102	101
SOCIAL SCIENCES												
ECONOMICS	120	133	126	136	137	122	128	116	134	128	120	127
INTERNATIONAL RELATIONS	110	125	112	127	125	129	121	125	127	120	134	103
LAW ENFORCEMENT	70	67	71	67	74	75	70	66	72	78	82	77
POLITICAL SCIENCE	100	101	100	92	96	97	104	104	115	113	107	101
SOCIOLOGY	71	67	77	62	60	78	101	64	90	85	79	81
OTHER SOCIAL SCIENCES	91	90	98	106	98	94	100	101	99	102	102	105
INTERDISCIPL./OTHER SCIENCES	107	127	106	113	114	123	139	117	129	115	140	141
TOTAL OF SCIENCE, MATH & ENGINEERING	106	109	106	105	108	106	106	108	109	110	112	110

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS (BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	96	99	98	94	103	104	107	109	101	106	101	108
COMPUTER SCIENCE	89	90	87	85	87	86	85	85	86	81	85	83
PHYSICAL SCIENCES												
ASTRONOMY	84	110	72	89	44	71	66	108	45	113	94	117
CHEMISTRY	116	106	96	107	84	106	99	101	105	90	91	96
PHYSICS	128	134	127	122	136	119	123	110	113	116	113	139
ARCHITECTURE/ENVIR. ENG.	96	101	92	86	89	85	90	91	99	93	98	99
ENGINEERING												
AEROSPACE ENGINEERING	111	106	98	81	90	94	108	102	100	101	104	92
ELECTRICAL ENGINEERING	103	102	105	101	96	94	94	105	99	95	95	102
CHEMICAL ENGINEERING	96	96	96	97	95	95	100	99	98	92	97	94
MECHANICAL ENGINEERING	102	108	98	104	98	101	107	97	93	86	93	108
CIVIL ENGINEERING	79	76	102	88	85	98	93	104	97	90	101	93
OTHER ENGINEERING	94	97	104	97	96	96	103	98	102	103	103	104
LIFE SCIENCES												
AGRICULTURE	80	72	88	76	82	78	80	95	82	97	98	83
BIOLOGICAL SCIENCES	95	94	95	95	95	93	99	100	101	100	101	103
EARTH & ENVIRONMENTAL SCI.	102	79	94	91	75	102	99	98	80	106	109	95
PSYCHOLOGY												
CHILD PSYCHOLOGY	73	76	74	72	76	76	75	79	84	81	83	84
GENERAL PSYCHOLOGY	84	81	79	79	85	84	85	87	87	86	89	88
SOCIAL PSYCHOLOGY	83	81	80	69	76	81	76	89	77	86	86	83
SOCIAL SCIENCES												
ECONOMICS	90	97	96	109	106	97	99	104	97	90	114	95
INTERNATIONAL RELATIONS	95	96	93	93	106	101	93	97	98	106	108	110
LAW ENFORCEMENT	58	64	57	62	66	65	70	70	69	68	73	72
POLITICAL SCIENCE	91	83	83	83	85	91	82	88	88	91	93	95
SOCIOLOGY	67	69	63	76	70	74	87	72	85	76	83	71
OTHER SOCIAL SCIENCES	73	78	73	75	77	77	82	89	83	82	85	92
INTERDISCIPL./OTHER SCIENCES	98	88	86	102	106	102	113	105	116	110	108	115
TOTAL OF SCIENCE, MATH & ENGINEERING	93	92	91	92	93	93	95	97	96	95	98	98

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	122	124	129	131	133	129	134	129	125	131	126	132
COMPUTER SCIENCE	127	129	126	126	124	124	125	124	127	133	136	134
PHYSICAL SCIENCES												
ASTRONOMY	140	123	131	129	125	119	129	132	128	129	135	135
CHEMISTRY	125	126	129	125	124	122	126	126	116	131	125	129
PHYSICS	114	125	127	118	107	107	126	121	117	115	115	130
ARCHITECTURE/ENVIR. ENG.	114	119	117	113	115	116	116	119	114	116	118	120
ENGINEERING												
AEROSPACE ENGINEERING	120	121	121	123	115	117	118	119	120	121	123	123
ELECTRICAL ENGINEERING	126	130	127	128	124	128	130	130	131	132	132	132
CHEMICAL ENGINEERING	105	119	110	114	112	115	119	112	120	120	115	120
MECHANICAL ENGINEERING	126	126	125	120	119	121	125	126	124	126	127	125
CIVIL ENGINEERING	118	127	124	119	119	119	120	118	120	117	117	114
OTHER ENGINEERING	121	124	122	121	120	122	123	123	123	127	132	131
LIFE SCIENCES												
AGRICULTURE	112	101	101	102	105	102	108	108	110	105	118	111
BIOLOGICAL SCIENCES	122	123	123	124	124	126	126	128	128	130	132	131
EARTH & ENVIRONMENTAL SCI.	110	107	105	107	108	105	107	110	112	112	114	117
PSYCHOLOGY												
CHILD PSYCHOLOGY	102	101	100	94	100	99	104	96	101	98	99	102
GENERAL PSYCHOLOGY	115	110	109	110	108	108	111	110	110	110	114	112
SOCIAL PSYCHOLOGY	106	99	107	102	103	99	106	108	106	105	107	116
SOCIAL SCIENCES												
ECONOMICS	123	135	120	120	125	128	117	119	127	117	126	130
INTERNATIONAL RELATIONS	115	119	125	112	118	121	118	115	118	122	121	126
LAW ENFORCEMENT	93	96	86	90	90	87	91	88	95	90	94	100
POLITICAL SCIENCE	124	124	123	120	121	120	120	122	121	121	120	123
SOCIOLOGY	108	111	114	108	108	101	118	115	106	121	120	122
OTHER SOCIAL SCIENCES	118	115	117	120	116	117	115	120	119	125	129	128
INTERDISCIPL./OTHER SCIENCES	130	128	129	130	127	131	138	131	130	135	134	130
TOTAL OF SCIENCE, MATH & ENGINEERING	129	130	129	128	127	127	129	129	130	133	135	133

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.68	3.66	3.63	3.61	3.61	3.59	3.59	3.61	3.59			
COMPUTER SCIENCE	3.25	3.23	3.21	3.18	3.16	3.14	3.10	3.06	3.04			
PHYSICAL SCIENCES	3.39	3.38	3.34	3.33	3.33	3.32	3.32	3.32	3.33			
ARCHITECTURE/ENVIR. ENG.	2.94	2.92	2.91	2.89	2.88	2.86	2.85	2.84	2.83			
ENGINEERING	3.21	3.20	3.19	3.18	3.19	3.21	3.22	3.23	3.23			
LIFE SCIENCES	2.95	2.93	2.93	2.92	2.91	2.92	2.94	2.95	2.98			
EARTH & ENVIRONMENTAL SCI.	2.84	2.83	2.79	2.77	2.76	2.76	2.76	2.73	2.75			
PSYCHOLOGY	2.71	2.70	2.70	2.68	2.69	2.67	2.67	2.67	2.67			
SOCIAL SCIENCES	2.72	2.69	2.70	2.69	2.69	2.70	2.71	2.69	2.70			
INTERDISCIPL/OTHER SCIENCES	3.37	3.33	3.28	3.26	3.29	3.25	3.27	3.28	3.28			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.02	3.01	3.01	3.01	3.03	3.04	3.05	3.03	3.02			

181

180

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN MATH, SCIENCE, AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	122	124	129	131	133	129	134	129	125	131	126	132
COMPUTER SCIENCE	127	129	126	126	124	124	125	124	127	133	136	134
PHYSICAL SCIENCES												
ASTRONOMY	140	123	131	129	125	119	129	132	128	129	135	135
CHEMISTRY	125	126	129	125	124	122	126	126	116	131	125	129
PHYSICS	114	125	127	118	107	107	126	121	117	115	115	130
ARCHITECTURE/ENVIR. ENG.	114	119	117	113	115	116	116	119	114	116	118	120
ENGINEERING												
AEROSPACE ENGINEERING	120	121	121	123	115	117	118	119	120	121	123	123
ELECTRICAL ENGINEERING	126	130	127	128	124	128	130	130	131	132	132	132
CHEMICAL ENGINEERING	105	119	110	114	112	115	119	112	120	120	115	120
MECHANICAL ENGINEERING	126	126	125	120	119	121	125	126	124	126	127	125
CIVIL ENGINEERING	118	127	124	119	119	119	120	118	120	117	117	114
OTHER ENGINEERING	121	124	122	121	120	122	123	123	123	127	132	131
LIFE SCIENCES												
AGRICULTURE	112	101	101	102	105	102	108	108	110	105	118	111
BIOLOGICAL SCIENCES	122	123	123	124	124	126	126	128	128	130	132	131
EARTH & ENVIRONMENTAL SCI.	110	107	105	107	108	105	107	110	112	112	114	117
PSYCHOLOGY												
CHILD PSYCHOLOGY	102	101	100	94	100	99	104	96	101	98	99	102
GENERAL PSYCHOLOGY	115	110	109	110	108	108	111	110	110	110	114	112
SOCIAL PSYCHOLOGY	106	99	107	102	103	99	106	108	106	105	107	116
SOCIAL SCIENCES												
ECONOMICS	123	135	120	120	125	128	117	119	127	117	126	130
INTERNATIONAL RELATIONS	115	119	125	112	118	121	118	115	118	122	121	126
LAW ENFORCEMENT	93	96	86	90	90	87	91	88	95	90	94	100
POLITICAL SCIENCE	124	124	123	120	121	120	120	122	121	121	120	123
SOCIOLOGY	108	111	114	108	108	101	118	115	106	121	120	122
OTHER SOCIAL SCIENCES	118	115	117	120	116	117	115	120	119	125	129	128
INTERDISCIPL./OTHER SCIENCES	130	128	129	130	127	131	138	131	130	135	134	130
TOTAL OF SCIENCE, MATH & ENGINEERING	129	130	129	128	127	127	129	129	130	133	135	133

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.68	3.66	3.63	3.61	3.61	3.59	3.59	3.61	3.59			
COMPUTER SCIENCE	3.25	3.23	3.21	3.18	3.16	3.14	3.10	3.06	3.04			
PHYSICAL SCIENCES	3.39	3.38	3.34	3.33	3.33	3.32	3.32	3.32	3.33			
ARCHITECTURE/ENVIR. ENG.	2.94	2.92	2.91	2.89	2.88	2.86	2.85	2.84	2.83			
ENGINEERING	3.21	3.20	3.19	3.18	3.19	3.21	3.22	3.23	3.23			
LIFE SCIENCES	2.95	2.93	2.93	2.92	2.91	2.92	2.94	2.95	2.98			
EARTH & ENVIRONMENTAL SCI.	2.84	2.83	2.79	2.77	2.76	2.76	2.76	2.73	2.75			
PSYCHOLOGY	2.71	2.70	2.70	2.68	2.69	2.67	2.67	2.67	2.67			
SOCIAL SCIENCES	2.72	2.69	2.70	2.69	2.69	2.70	2.71	2.69	2.70			
INTERDISCIPL/OTHER SCIENCES	3.37	3.33	3.28	3.26	3.29	3.25	3.27	3.28	3.28			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.02	3.01	3.01	3.01	3.03	3.04	3.05	3.03	3.02			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.65	3.64	3.61	3.58	3.59	3.55	3.56	3.56	3.54			
COMPUTER SCIENCE	3.26	3.25	3.20	3.17	3.16	3.14	3.09	3.06	3.06			
PHYSICAL SCIENCES	3.41	3.39	3.35	3.34	3.33	3.33	3.32	3.32	3.34			
ARCHITECTURE/ENVIR. ENG.	2.93	2.91	2.89	2.87	2.86	2.83	2.82	2.81	2.79			
ENGINEERING	3.20	3.19	3.18	3.17	3.17	3.19	3.20	3.21	3.21			
LIFE SCIENCES	2.91	2.86	2.86	2.85	2.85	2.86	2.88	2.86	2.90			
EARTH & ENVIRONMENTAL SCI.	2.81	2.80	2.76	2.74	2.73	2.72	2.72	2.68	2.69			
PSYCHOLOGY	2.70	2.70	2.69	2.65	2.65	2.64	2.61	2.60	2.62			
SOCIAL SCIENCES	2.73	2.69	2.69	2.69	2.69	2.69	2.68	2.67	2.66			
INTERDISCIPL/OTHER SCIENCES	3.38	3.35	3.27	3.25	3.28	3.24	3.25	3.28	3.25			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.07	3.07	3.05	3.05	3.06	3.07	3.07	3.06	3.06			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.76	3.74	3.72	3.70	3.70	3.69	3.67	3.69	3.68			
COMPUTER SCIENCE	3.46	3.43	3.42	3.38	3.35	3.31	3.27	3.23	3.22			
PHYSICAL SCIENCES	3.45	3.43	3.43	3.38	3.40	3.35	3.39	3.39	3.35			
ARCHITECTURE/ENVIR. ENG.	3.19	3.13	3.15	3.12	3.09	3.07	3.06	3.07	3.06			
ENGINEERING	3.57	3.54	3.53	3.50	3.51	3.50	3.50	3.51	3.49			
LIFE SCIENCES	3.04	3.03	3.02	3.02	3.01	3.01	3.03	3.04	3.07			
EARTH & ENVIRONMENTAL SCI.	2.97	2.95	2.91	2.91	2.89	2.89	2.87	2.88	2.86			
PSYCHOLOGY	2.79	2.78	2.77	2.76	2.75	2.73	2.74	2.74	2.73			
SOCIAL SCIENCES	2.80	2.78	2.79	2.78	2.78	2.80	2.83	2.79	2.80			
INTERDISCIPL/OTHER SCIENCES	3.41	3.37	3.36	3.31	3.35	3.34	3.34	3.35	3.36			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.04	3.03	3.04	3.05	3.06	3.08	3.09	3.07	3.04			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.36	3.26	3.20	3.15	3.14	3.18	3.20	3.19	3.19			
COMPUTER SCIENCE	2.77	2.73	2.70	2.69	2.70	2.67	2.67	2.70	2.67			
PHYSICAL SCIENCES	2.88	2.85	2.80	2.88	2.75	2.77	2.81	2.76	2.76			
ARCHITECTURE/ENVIR. ENG.	2.49	2.54	2.52	2.52	2.54	2.52	2.53	2.50	2.47			
ENGINEERING	2.80	2.83	2.82	2.79	2.79	2.83	2.83	2.80	2.81			
LIFE SCIENCES	2.56	2.56	2.51	2.49	2.50	2.48	2.56	2.52	2.49			
EARTH & ENVIRONMENTAL SCI.	2.39	2.39	2.36	2.41	2.38	2.43	2.37	2.22	2.35			
PSYCHOLOGY	2.31	2.29	2.29	2.29	2.31	2.30	2.28	2.27	2.27			
SOCIAL SCIENCES	2.32	2.30	2.36	2.31	2.31	2.31	2.30	2.25	2.27			
INTERDISCIPL/OTHER SCIENCES	2.72	2.79	2.83	2.81	2.68	2.64	2.90	2.59	2.96			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.65	2.67	2.67	2.66	2.67	2.69	2.70	2.68	2.68			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.50	3.51	3.36	3.32	3.36	3.30	3.38	3.30	3.34			
COMPUTER SCIENCE	2.83	2.89	2.83	2.80	2.79	2.78	2.76	2.74	2.73			
PHYSICAL SCIENCES	2.75	2.90	2.87	2.95	2.89	2.89	2.96	2.79	2.93			
ARCHITECTURE/ENVIR. ENG.	2.70	2.72	2.76	2.62	2.65	2.63	2.67	2.66	2.71			
ENGINEERING	3.28	3.18	3.16	3.08	3.05	3.04	3.09	3.03	3.03			
LIFE SCIENCES	2.56	2.62	2.63	2.60	2.64	2.59	2.59	2.66	2.69			
EARTH & ENVIRONMENTAL SCI.	2.60	2.71	2.54	2.38	2.26	2.51	2.53	2.59	2.50			
PSYCHOLOGY	2.40	2.41	2.39	2.35	2.39	2.39	2.33	2.37	2.39			
SOCIAL SCIENCES	2.38	2.39	2.38	2.33	2.32	2.35	2.34	2.36	2.32			
INTERDISCIPL/OTHER SCIENCES	2.68	2.59	2.58	2.74	2.62	2.61	3.05	2.74	2.98			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.60	2.62	2.62	2.61	2.65	2.68	2.70	2.69	2.68			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.63	3.58	3.57	3.57	3.54	3.53	3.56	3.57	3.56			
COMPUTER SCIENCE	3.18	3.19	3.15	3.15	3.13	3.12	3.09	3.05	3.05			
PHYSICAL SCIENCES	3.39	3.39	3.34	3.31	3.38	3.37	3.36	3.34	3.40			
ARCHITECTURE/ENVIR. ENG.	2.90	2.88	2.87	2.91	2.88	2.86	2.83	2.85	2.86			
ENGINEERING	3.17	3.18	3.20	3.18	3.20	3.22	3.25	3.25	3.27			
LIFE SCIENCES	2.91	2.91	2.96	2.96	2.92	2.98	3.02	3.04	3.08			
EARTH & ENVIRONMENTAL SCI.	2.69	2.68	2.68	2.64	2.65	2.65	2.73	2.65	2.70			
PSYCHOLOGY	2.63	2.57	2.56	2.58	2.59	2.59	2.61	2.57	2.57			
SOCIAL SCIENCES	2.60	2.58	2.61	2.64	2.62	2.64	2.64	2.63	2.65			
INTERDISCIPL/OTHER SCIENCES	3.35	3.28	3.27	3.31	3.35	3.26	3.30	3.22	3.29			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.97	2.96	3.00	3.01	3.03	3.05	3.07	3.06	3.07			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.68	3.66	3.63	3.61	3.61	3.59	3.59	3.61	3.59			
COMPUTER SCIENCE	3.25	3.23	3.21	3.18	3.16	3.14	3.10	3.06	3.04			
PHYSICAL SCIENCES												
ASTRONOMY	3.20	3.18	3.12	3.14	3.08	3.14	3.10	3.11	3.10			
CHEMISTRY	3.33	3.32	3.30	3.27	3.27	3.26	3.28	3.25	3.28			
PHYSICS	3.56	3.54	3.50	3.49	3.50	3.47	3.47	3.47	3.46			
ARCHITECTURE/ENVIR. ENG.	2.94	2.92	2.91	2.89	2.88	2.86	2.85	2.84	2.83			
ENGINEERING												
AEROSPACE ENGINEERING	3.07	3.09	3.07	3.07	3.08	3.11	3.12	3.14	3.15			
ELECTRICAL ENGINEERING	3.11	3.11	3.11	3.10	3.13	3.16	3.18	3.22	3.22			
CHEMICAL ENGINEERING	3.53	3.50	3.48	3.48	3.47	3.47	3.46	3.45	3.47			
MECHANICAL ENGINEERING	3.06	3.07	3.07	3.07	3.07	3.08	3.10	3.10	3.12			
CIVIL ENGINEERING	3.22	3.22	3.20	3.16	3.16	3.16	3.17	3.15	3.15			
OTHER ENGINEERING	3.28	3.27	3.26	3.24	3.25	3.25	3.28	3.28	3.27			
LIFE SCIENCES												
AGRICULTURE	2.72	2.66	2.66	2.66	2.66	2.65	2.66	2.62	2.64			
BIOLOGICAL SCIENCES	3.06	3.04	3.04	3.03	3.01	3.02	3.04	3.04	3.07			
EARTH & ENVIRONMENTAL SCI.	2.84	2.83	2.79	2.77	2.76	2.76	2.76	2.73	2.75			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.66	2.62	2.62	2.60	2.62	2.59	2.60	2.62	2.59			
GENERAL PSYCHOLOGY	2.75	2.76	2.75	2.73	2.73	2.72	2.72	2.71	2.72			
SOCIAL PSYCHOLOGY	2.63	2.61	2.62	2.62	2.62	2.62	2.62	2.60	2.61			
SOCIAL SCIENCES												
ECONOMICS	3.13	3.09	3.10	3.09	3.06	3.10	3.10	3.08	3.07			
INTERNATIONAL RELATIONS	2.97	2.94	2.94	2.90	2.94	2.93	2.96	2.96	2.99			
LAW ENFORCEMENT	2.48	2.47	2.45	2.43	2.42	2.41	2.42	2.42	2.41			
POLITICAL SCIENCE	2.93	2.84	2.83	2.80	2.79	2.78	2.80	2.77	2.77			
SOCIOLOGY	2.59	2.56	2.57	2.54	2.54	2.53	2.55	2.52	2.53			
OTHER SOCIAL SCIENCES	2.70	2.71	2.71	2.71	2.69	2.70	2.73	2.71	2.71			
INTERDISCIPL./OTHER SCIENCES	3.37	3.33	3.28	3.26	3.29	3.25	3.27	3.28	3.28			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.02	3.01	3.01	3.01	3.03	3.04	3.05	3.03	3.02			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.65	3.64	3.61	3.58	3.59	3.55	3.56	3.56	3.54			
COMPUTER SCIENCE	3.26	3.25	3.20	3.17	3.16	3.14	3.09	3.06	3.06			
PHYSICAL SCIENCES												
ASTRONOMY	3.21	3.20	3.11	3.17	3.08	3.14	3.09	3.07	3.11			
CHEMISTRY	3.32	3.30	3.28	3.25	3.25	3.26	3.24	3.22	3.26			
PHYSICS	3.57	3.55	3.51	3.50	3.50	3.47	3.47	3.48	3.47			
ARCHITECTURE/ENVIR. ENG.	2.93	2.91	2.89	2.87	2.86	2.83	2.82	2.81	2.79			
ENGINEERING												
AEROSPACE ENGINEERING	3.09	3.11	3.09	3.09	3.09	3.13	3.13	3.16	3.17			
ELECTRICAL ENGINEERING	3.13	3.14	3.12	3.12	3.14	3.16	3.18	3.22	3.22			
CHEMICAL ENGINEERING	3.54	3.49	3.45	3.47	3.46	3.46	3.47	3.45	3.46			
MECHANICAL ENGINEERING	3.08	3.09	3.07	3.07	3.07	3.08	3.10	3.10	3.12			
CIVIL ENGINEERING	3.20	3.22	3.19	3.16	3.15	3.17	3.16	3.15	3.14			
OTHER ENGINEERING	3.26	3.25	3.23	3.21	3.21	3.21	3.24	3.25	3.24			
LIFE SCIENCES												
AGRICULTURE	2.69	2.62	2.64	2.63	2.64	2.64	2.63	2.60	2.62			
BIOLOGICAL SCIENCES	3.03	3.00	2.99	2.98	2.97	2.98	3.00	2.98	3.01			
EARTH & ENVIRONMENTAL SCI.	2.81	2.80	2.76	2.74	2.73	2.72	2.72	2.68	2.69			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.54	2.55	2.53	2.51	2.51	2.53	2.52	2.53	2.52			
GENERAL PSYCHOLOGY	2.73	2.75	2.71	2.68	2.68	2.66	2.64	2.63	2.63			
SOCIAL PSYCHOLOGY	2.61	2.54	2.66	2.61	2.60	2.58	2.52	2.55	2.59			
SOCIAL SCIENCES												
ECONOMICS	3.15	3.12	3.08	3.02	3.04	3.07	3.10	3.11	3.07			
INTERNATIONAL RELATIONS	2.97	2.95	2.88	2.89	2.89	2.89	2.98	2.97	2.96			
LAW ENFORCEMENT	2.46	2.45	2.42	2.41	2.42	2.39	2.39	2.40	2.41			
POLITICAL SCIENCE	2.95	2.86	2.83	2.82	2.79	2.78	2.80	2.77	2.76			
SOCIOLOGY	2.64	2.54	2.47	2.42	2.49	2.52	2.37	2.46	2.52			
OTHER SOCIAL SCIENCES	2.75	2.76	2.77	2.76	2.72	2.74	2.74	2.73	2.72			
INTERDISCIPL./OTHER SCIENCES	3.38	3.35	3.27	3.25	3.28	3.24	3.25	3.28	3.25			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.07	3.07	3.05	3.05	3.06	3.07	3.07	3.06	3.06			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.76	3.74	3.72	3.70	3.70	3.69	3.67	3.69	3.68			
COMPUTER SCIENCE	3.46	3.43	3.42	3.38	3.35	3.31	3.27	3.23	3.22			
PHYSICAL SCIENCES												
ASTRONOMY	3.26	3.19	3.20	3.16	3.24	3.18	3.19	3.28	3.18			
CHEMISTRY	3.44	3.43	3.43	3.38	3.38	3.35	3.39	3.38	3.34			
PHYSICS	3.63	3.61	3.63	3.55	3.54	3.51	3.55	3.51	3.48			
ARCHITECTURE/ENVIR. ENG.	3.19	3.13	3.15	3.12	3.09	3.07	3.06	3.07	3.06			
ENGINEERING												
AEROSPACE ENGINEERING	3.31	3.27	3.27	3.28	3.27	3.29	3.34	3.36	3.33			
ELECTRICAL ENGINEERING	3.59	3.46	3.53	3.46	3.51	3.48	3.49	3.52	3.50			
CHEMICAL ENGINEERING	3.66	3.67	3.66	3.61	3.59	3.62	3.57	3.59	3.59			
MECHANICAL ENGINEERING	3.41	3.43	3.40	3.38	3.43	3.36	3.37	3.43	3.41			
CIVIL ENGINEERING	3.54	3.54	3.50	3.42	3.44	3.48	3.43	3.40	3.40			
OTHER ENGINEERING	3.60	3.58	3.57	3.55	3.54	3.53	3.54	3.54	3.52			
LIFE SCIENCES												
AGRICULTURE	2.78	2.74	2.74	2.74	2.72	2.72	2.72	2.68	2.72			
BIOLOGICAL SCIENCES	3.15	3.13	3.12	3.12	3.11	3.10	3.11	3.13	3.15			
EARTH & ENVIRONMENTAL SCI.	2.97	2.95	2.91	2.91	2.89	2.89	2.87	2.88	2.86			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.75	2.72	2.70	2.69	2.69	2.65	2.66	2.67	2.64			
GENERAL PSYCHOLOGY	2.83	2.83	2.83	2.82	2.80	2.78	2.79	2.79	2.79			
SOCIAL PSYCHOLOGY	2.69	2.69	2.68	2.70	2.69	2.68	2.68	2.66	2.66			
SOCIAL SCIENCES												
ECONOMICS	3.23	3.16	3.22	3.28	3.19	3.25	3.18	3.13	3.15			
INTERNATIONAL RELATIONS	2.99	2.99	3.04	2.99	3.01	3.04	3.01	3.01	3.03			
LAW ENFORCEMENT	2.61	2.61	2.59	2.55	2.54	2.52	2.55	2.54	2.52			
POLITICAL SCIENCE	3.00	2.94	2.94	2.89	2.90	2.89	2.93	2.87	2.87			
SOCIOLOGY	2.70	2.66	2.67	2.68	2.64	2.60	2.68	2.59	2.64			
OTHER SOCIAL SCIENCES	2.77	2.78	2.78	2.77	2.76	2.77	2.81	2.77	2.78			
INTERDISCIPL./OTHER SCIENCES	3.41	3.37	3.36	3.31	3.35	3.34	3.34	3.35	3.36			
TOTAL OF SCIENCE, MATH & ENGINEERING	3.04	3.03	3.04	3.05	3.06	3.08	3.09	3.07	3.04			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.36	3.26	3.20	3.15	3.14	3.18	3.20	3.19	3.19			
COMPUTER SCIENCE	2.77	2.73	2.70	2.69	2.70	2.67	2.67	2.70	2.67			
PHYSICAL SCIENCES												
ASTRONOMY	2.55	2.64	2.32	2.54	2.54	2.80	2.59	2.59	2.59			
CHEMISTRY	2.82	2.83	2.76	2.88	2.77	2.55	2.83	2.72	2.69			
PHYSICS	3.11	2.97	3.07	3.06	2.84	3.14	2.88	2.95	2.91			
ARCHITECTURE/ENVIR. ENG.	2.49	2.54	2.52	2.52	2.54	2.52	2.53	2.50	2.47			
ENGINEERING												
AEROSPACE ENGINEERING	2.64	2.72	2.71	2.69	2.72	2.79	2.72	2.74	2.77			
ELECTRICAL ENGINEERING	2.74	2.80	2.77	2.75	2.73	2.78	2.83	2.81	2.80			
CHEMICAL ENGINEERING	3.16	3.12	3.17	3.11	3.11	3.15	3.06	3.06	3.06			
MECHANICAL ENGINEERING	2.73	2.71	2.75	2.77	2.76	2.78	2.74	2.74	2.71			
CIVIL ENGINEERING	2.98	2.91	2.93	2.85	2.80	2.83	2.84	2.89	2.85			
OTHER ENGINEERING	2.87	2.88	2.87	2.83	2.83	2.86	2.88	2.78	2.85			
LIFE SCIENCES												
AGRICULTURE	2.40	2.46	2.25	2.29	2.40	2.28	2.31	2.30	2.27			
BIOLOGICAL SCIENCES	2.61	2.59	2.59	2.56	2.53	2.53	2.62	2.56	2.53			
EARTH & ENVIRONMENTAL SCI.	2.39	2.39	2.36	2.41	2.38	2.43	2.37	2.22	2.35			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.32	2.09	2.09	2.30	2.17	2.27	2.15	2.23	2.20			
GENERAL PSYCHOLOGY	2.37	2.36	2.34	2.33	2.33	2.28	2.33	2.33	2.29			
SOCIAL PSYCHOLOGY	2.06	2.29	2.37	2.13	2.37	2.39	2.23	2.06	2.27			
SOCIAL SCIENCES												
ECONOMICS	2.69	2.82	2.92	2.72	2.58	2.48	2.70	2.80	2.50			
INTERNATIONAL RELATIONS	2.76	2.55	2.77	2.26	2.07	2.41	2.61	2.24	2.65			
LAW ENFORCEMENT	2.18	2.19	2.24	2.17	2.30	2.32	2.19	2.17	2.15			
POLITICAL SCIENCE	2.44	2.34	2.35	2.42	2.31	2.30	2.29	2.34	2.33			
SOCIOLOGY	2.17	2.25	2.27	2.01	2.14	2.24	2.17	1.98	2.10			
OTHER SOCIAL SCIENCES	2.30	2.26	2.34	2.33	2.33	2.27	2.31	2.19	2.28			
INTERDISCIPL./OTHER SCIENCES	2.72	2.79	2.83	2.81	2.68	2.64	2.90	2.59	2.96			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.65	2.67	2.67	2.66	2.67	2.69	2.70	2.68	2.68			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.50	3.51	3.36	3.32	3.36	3.30	3.38	3.30	3.34			
COMPUTER SCIENCE	2.83	2.89	2.83	2.80	2.79	2.78	2.76	2.74	2.73			
PHYSICAL SCIENCES												
ASTRONOMY	3.00	2.50	2.57	2.56	2.83	2.20	3.60	2.80	1.33			
CHEMISTRY	2.76	2.91	2.92	2.95	2.84	2.88	2.95	2.79	2.97			
PHYSICS	2.53	3.00	2.59	3.11	3.19	3.10	2.84	2.82	2.89			
ARCHITECTURE/ENVIR. ENG.	2.70	2.72	2.76	2.62	2.65	2.63	2.67	2.66	2.71			
ENGINEERING												
AEROSPACE ENGINEERING	2.89	2.92	2.90	2.73	2.67	2.80	2.98	2.79	2.79			
ELECTRICAL ENGINEERING	3.30	3.08	3.03	3.03	3.07	3.06	3.08	3.03	3.06			
CHEMICAL ENGINEERING	3.27	3.21	3.31	3.27	3.17	3.10	3.13	3.06	3.17			
MECHANICAL ENGINEERING	3.36	3.08	3.06	3.06	2.93	3.06	2.97	2.99	2.86			
CIVIL ENGINEERING	3.19	3.14	3.15	3.03	2.95	2.95	3.04	2.90	3.00			
OTHER ENGINEERING	3.33	3.26	3.20	3.10	3.09	3.06	3.12	3.09	3.04			
LIFE SCIENCES												
AGRICULTURE	2.35	2.28	2.42	2.23	2.54	2.46	2.38	2.60	2.18			
BIOLOGICAL SCIENCES	2.58	2.64	2.65	2.63	2.64	2.60	2.60	2.66	2.73			
EARTH & ENVIRONMENTAL SCI.	2.60	2.71	2.54	2.38	2.26	2.51	2.53	2.59	2.50			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.36	2.31	2.38	2.31	2.37	2.37	2.28	2.35	2.33			
GENERAL PSYCHOLOGY	2.43	2.48	2.40	2.37	2.43	2.45	2.37	2.40	2.44			
SOCIAL PSYCHOLOGY	2.42	2.40	2.37	2.35	2.32	2.21	2.29	2.30	2.36			
SOCIAL SCIENCES												
ECONOMICS	2.42	2.59	2.53	2.62	2.57	2.77	2.69	2.72	2.60			
INTERNATIONAL RELATIONS	2.71	2.61	2.26	2.62	2.64	2.41	2.45	2.66	2.51			
LAW ENFORCEMENT	2.30	2.29	2.33	2.29	2.24	2.32	2.31	2.39	2.32			
POLITICAL SCIENCE	2.51	2.51	2.47	2.46	2.43	2.48	2.35	2.38	2.45			
SOCIOLOGY	2.41	2.35	2.36	2.27	2.24	2.37	2.24	2.34	2.21			
OTHER SOCIAL SCIENCES	2.34	2.38	2.37	2.30	2.30	2.30	2.33	2.31	2.26			
INTERDISCIPL./OTHER SCIENCES	2.68	2.59	2.58	2.74	2.62	2.61	3.05	2.74	2.98			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.60	2.62	2.62	2.61	2.65	2.68	2.70	2.69	2.68			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	3.63	3.58	3.57	3.57	3.54	3.53	3.56	3.57	3.56			
COMPUTER SCIENCE	3.18	3.19	3.15	3.15	3.13	3.12	3.09	3.05	3.05			
PHYSICAL SCIENCES												
ASTRONOMY	3.20	3.20	3.16	3.09	3.01	3.16	3.05	3.15	3.04			
CHEMISTRY	3.29	3.36	3.30	3.22	3.34	3.29	3.35	3.29	3.39			
PHYSICS	3.60	3.48	3.46	3.51	3.55	3.51	3.48	3.49	3.50			
ARCHITECTURE/ENVIR. ENG.	2.90	2.88	2.87	2.91	2.88	2.86	2.83	2.85	2.86			
ENGINEERING												
AEROSPACE ENGINEERING	3.03	3.06	3.09	3.06	3.06	3.08	3.12	3.12	3.13			
ELECTRICAL ENGINEERING	3.14	3.11	3.15	3.16	3.22	3.26	3.25	3.32	3.32			
CHEMICAL ENGINEERING	3.49	3.48	3.53	3.49	3.51	3.46	3.48	3.49	3.51			
MECHANICAL ENGINEERING	3.00	3.06	3.09	3.08	3.06	3.07	3.14	3.12	3.15			
CIVIL ENGINEERING	3.19	3.21	3.20	3.12	3.15	3.10	3.18	3.09	3.15			
OTHER ENGINEERING	3.24	3.24	3.26	3.22	3.24	3.25	3.29	3.28	3.30			
LIFE SCIENCES												
AGRICULTURE	2.56	2.56	2.58	2.60	2.49	2.52	2.63	2.55	2.55			
BIOLOGICAL SCIENCES	3.02	3.01	3.06	3.06	3.03	3.09	3.09	3.11	3.14			
EARTH & ENVIRONMENTAL SCI.	2.69	2.68	2.68	2.64	2.65	2.65	2.73	2.65	2.70			
PSYCHOLOGY												
CHILD PSYCHOLOGY	2.58	2.50	2.49	2.49	2.59	2.51	2.51	2.52	2.48			
GENERAL PSYCHOLOGY	2.65	2.60	2.62	2.62	2.62	2.63	2.65	2.60	2.61			
SOCIAL PSYCHOLOGY	2.58	2.55	2.46	2.54	2.48	2.58	2.63	2.50	2.56			
SOCIAL SCIENCES												
ECONOMICS	3.08	2.99	3.12	3.10	3.06	3.06	3.06	3.02	3.12			
INTERNATIONAL RELATIONS	2.92	2.78	2.85	2.73	2.93	2.75	2.86	2.82	2.96			
LAW ENFORCEMENT	2.35	2.40	2.36	2.35	2.28	2.36	2.42	2.33	2.30			
POLITICAL SCIENCE	2.89	2.74	2.81	2.78	2.72	2.72	2.69	2.74	2.71			
SOCIOLOGY	2.38	2.44	2.57	2.45	2.53	2.46	2.55	2.51	2.37			
OTHER SOCIAL SCIENCES	2.57	2.58	2.58	2.65	2.59	2.63	2.60	2.62	2.64			
INTERDISCIPL./OTHER SCIENCES	3.35	3.28	3.27	3.31	3.35	3.26	3.30	3.22	3.29			
TOTAL OF SCIENCE, MATH & ENGINEERING	2.97	2.96	3.00	3.01	3.03	3.05	3.07	3.06	3.07			

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	83	82	82	82	81	81	81	81	81	82	83	83
COMPUTER SCIENCE	77	77	77	76	76	75	75	74	73	72	72	71
PHYSICAL SCIENCES	84	84	84	83	83	83	83	82	83	83	83	82
ARCHITECTURE/ENVIR. ENG.	73	72	72	72	71	71	70	70	69	70	71	71
ENGINEERING	78	78	78	78	78	78	78	78	78	79	79	79
LIFE SCIENCES	77	76	76	75	75	75	76	76	76	77	77	76
EARTH & ENVIRONMENTAL SCI.	74	73	72	72	72	71	71	71	71	71	71	71
PSYCHOLOGY	73	72	71	71	70	70	70	69	69	70	70	69
SOCIAL SCIENCES	73	71	72	72	71	72	72	71	71	71	71	71
INTERDISCIPL/OTHER SCIENCES	84	83	82	82	82	82	82	82	81	83	84	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	76	76	76	75	75	75	75	75	75	75	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH *SCIENCE AND ENGINEERING FIELDS*

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	82	82	82	81	81	80	80	80	80	81	82	82
COMPUTER SCIENCE	77	77	77	76	75	75	74	73	73	73	73	73
PHYSICAL SCIENCES	84	84	84	83	83	83	83	82	83	83	83	83
ARCHITECTURE/ENVIR. ENG.	72	72	71	71	70	70	69	68	68	69	69	70
ENGINEERING	78	77	77	77	77	77	78	78	78	79	79	79
LIFE SCIENCES	75	74	74	73	73	73	74	74	74	74	74	74
EARTH & ENVIRONMENTAL SCI.	73	72	71	71	70	70	70	69	69	69	70	70
PSYCHOLOGY	72	71	71	70	69	69	69	67	67	68	68	68
SOCIAL SCIENCES	72	71	71	71	71	71	70	70	69	69	69	69
INTERDISCIPL/OTHER SCIENCES	84	83	82	82	82	81	81	82	80	82	83	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	76	76	76	75	75	75	75	75	75	75	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	85	85	84	84	84	83	83	84	84	85	85	85
COMPUTER SCIENCE	82	81	81	80	80	79	78	77	76	75	74	73
PHYSICAL SCIENCES	86	85	86	85	85	85	85	85	84	85	85	83
ARCHITECTURE/ENVIR. ENG.	79	78	78	77	77	76	76	76	75	76	77	76
ENGINEERING	87	87	86	86	86	86	86	86	85	86	86	84
LIFE SCIENCES	79	79	78	78	78	78	78	79	79	79	79	78
EARTH & ENVIRONMENTAL SCI.	78	77	76	76	76	75	75	75	74	74	74	74
PSYCHOLOGY	74	73	72	72	72	71	71	70	70	71	71	70
SOCIAL SCIENCES	75	74	74	74	74	74	74	74	74	73	73	73
INTERDISCIPL/OTHER SCIENCES	86	85	85	84	85	84	84	84	84	85	85	85
TOTAL OF SCIENCE, MATH & ENGINEERING	78	77	77	77	77	77	77	77	76	76	76	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	71	71	69	69	66	69	70	68	70	73	72	73
COMPUTER SCIENCE	70	69	68	68	68	68	68	67	67	66	65	65
PHYSICAL SCIENCES	76	75	76	74	73	74	74	72	75	73	76	73
ARCHITECTURE/ENVIR. ENG.	67	67	67	66	66	67	65	65	64	66	65	65
ENGINEERING	72	72	72	72	71	72	72	71	71	72	72	71
LIFE SCIENCES	71	70	69	70	69	68	69	68	67	69	69	68
EARTH & ENVIRONMENTAL SCI.	68	67	66	67	64	64	62	66	64	65	63	65
PSYCHOLOGY	64	64	64	63	63	65	62	64	63	64	62	61
SOCIAL SCIENCES	66	65	66	65	66	65	65	63	64	63	62	61
INTERDISCIPL/OTHER SCIENCES	69	73	73	73	68	69	72	66	73	75	71	70
TOTAL OF SCIENCE, MATH & ENGINEERING	70	69	69	69	69	70	69	69	69	69	68	68

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	76	76	71	73	74	74	73	73	74	79	75	79
COMPUTER SCIENCE	70	71	70	70	70	70	70	69	69	69	67	66
PHYSICAL SCIENCES	76	74	75	76	77	77	76	74	76	75	77	77
ARCHITECTURE/ENVIR. ENG.	69	69	70	69	70	68	69	67	68	68	70	69
ENGINEERING	81	81	79	79	78	77	79	78	78	78	76	76
LIFE SCIENCES	72	72	71	72	72	71	72	73	72	72	73	72
EARTH & ENVIRONMENTAL SCI.	70	69	71	67	66	69	70	70	65	66	67	72
PSYCHOLOGY	68	67	66	65	65	66	65	65	65	66	66	65
SOCIAL SCIENCES	65	65	65	64	64	65	66	65	64	65	65	65
INTERDISCIPL/OTHER SCIENCES	74	72	70	73	72	73	75	76	71	79	74	76
TOTAL OF SCIENCE, MATH & ENGINEERING	69	69	69	69	70	70	70	70	69	70	69	68

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	81	80	80	79	78	78	77	78	79	82	82	82
COMPUTER SCIENCE	77	76	76	75	75	74	74	73	73	73	72	72
PHYSICAL SCIENCES	83	83	83	82	83	82	83	82	82	83	83	82
ARCHITECTURE/ENVIR. ENG.	73	72	71	71	71	70	70	69	70	71	71	71
ENGINEERING	77	77	77	77	77	77	78	78	78	79	79	79
LIFE SCIENCES	76	76	77	75	76	76	77	77	77	79	79	79
EARTH & ENVIRONMENTAL SCI.	73	71	72	71	70	70	70	69	68	69	71	69
PSYCHOLOGY	72	70	69	69	69	69	69	68	67	69	69	69
SOCIAL SCIENCES	71	70	70	71	71	71	71	71	71	71	71	71
INTERDISCIPL/OTHER SCIENCES	83	82	82	83	81	81	82	81	81	84	84	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	75	75	75	75	75	75	75	75	76	76	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	83	82	82	82	81	81	81	81	81	82	83	83
COMPUTER SCIENCE	77	77	77	76	76	75	75	74	73	72	72	71
PHYSICAL SCIENCES												
ASTRONOMY	81	79	79	79	79	79	78	78	78	80	81	80
CHEMISTRY	83	83	83	83	82	82	82	81	82	82	82	82
PHYSICS	87	87	87	86	86	86	85	85	85	85	85	84
ARCHITECTURE/ENVIR. ENG.	73	72	72	72	71	71	70	70	69	70	71	71
ENGINEERING												
AEROSPACE ENGINEERING	76	76	76	76	76	77	77	78	78	79	79	79
ELECTRICAL ENGINEERING	76	75	75	75	76	76	77	77	77	78	78	77
CHEMICAL ENGINEERING	86	86	85	86	85	85	85	85	85	85	85	84
MECHANICAL ENGINEERING	74	74	74	74	74	74	75	74	75	76	77	77
CIVIL ENGINEERING	78	78	77	77	77	76	76	76	76	76	76	76
OTHER ENGINEERING	80	80	79	79	79	79	80	80	79	80	80	80
LIFE SCIENCES												
AGRICULTURE	71	69	69	68	68	68	68	67	67	67	67	67
BIOLOGICAL SCIENCES	80	79	79	79	78	78	79	79	79	79	79	79
EARTH & ENVIRONMENTAL SCI.	74	73	72	72	72	71	71	71	71	71	71	71
PSYCHOLOGY												
CHILD PSYCHOLOGY	71	68	68	68	67	67	67	67	66	67	67	67
GENERAL PSYCHOLOGY	74	73	73	72	72	71	71	71	70	71	70	70
SOCIAL PSYCHOLOGY	71	70	70	70	69	69	68	68	68	68	68	68
SOCIAL SCIENCES												
ECONOMICS	82	81	81	81	80	80	81	80	80	81	80	80
INTERNATIONAL RELATIONS	82	82	82	81	81	81	82	81	81	82	82	82
LAW ENFORCEMENT	64	63	62	61	61	61	61	61	60	62	62	62
POLITICAL SCIENCE	79	78	77	77	76	76	76	76	76	77	77	76
SOCIOLOGY	70	69	69	68	68	67	67	66	66	66	67	66
OTHER SOCIAL SCIENCES	73	72	72	72	71	72	72	72	71	71	71	72
INTERDISCIPL./OTHER SCIENCES	84	83	82	82	82	82	82	82	81	83	84	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	76	76	76	75	75	75	75	75	75	75	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS (WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	82	82	82	81	81	80	80	80	80	81	82	82
COMPUTER SCIENCE	77	77	77	76	75	75	74	73	73	73	73	73
PHYSICAL SCIENCES												
ASTRONOMY	81	79	79	80	78	79	78	78	77	80	81	80
CHEMISTRY	83	83	82	82	82	82	81	80	81	82	82	82
PHYSICS	87	87	87	86	85	86	85	85	86	85	85	84
ARCHITECTURE/ENVIR. ENG.	72	72	71	71	70	70	69	68	68	69	69	70
ENGINEERING												
AEROSPACE ENGINEERING	77	76	76	76	76	77	77	78	78	79	79	79
ELECTRICAL ENGINEERING	76	75	75	76	76	76	77	77	77	78	78	77
CHEMICAL ENGINEERING	86	86	85	85	85	85	85	85	85	85	85	84
MECHANICAL ENGINEERING	74	74	74	74	74	74	75	74	75	76	77	77
CIVIL ENGINEERING	77	78	77	76	76	76	76	76	75	76	76	75
OTHER ENGINEERING	79	79	78	78	78	78	79	79	78	79	80	79
LIFE SCIENCES												
AGRICULTURE	69	68	68	67	67	67	66	66	66	66	66	65
BIOLOGICAL SCIENCES	79	78	77	77	77	77	77	77	77	78	78	78
EARTH & ENVIRONMENTAL SCI.	73	72	71	71	70	70	70	69	69	69	70	70
PSYCHOLOGY												
CHILD PSYCHOLOGY	66	65	66	64	64	63	63	64	60	65	64	65
GENERAL PSYCHOLOGY	73	72	72	71	70	69	70	68	68	68	68	69
SOCIAL PSYCHOLOGY	69	70	70	70	68	68	67	66	66	68	67	68
SOCIAL SCIENCES												
ECONOMICS	82	81	81	79	79	79	80	80	79	80	79	79
INTERNATIONAL RELATIONS	83	82	81	81	80	82	82	80	81	81	82	82
LAW ENFORCEMENT	62	61	61	60	60	59	59	59	59	60	61	61
POLITICAL SCIENCE	79	78	77	77	76	76	76	75	75	77	77	76
SOCIOLOGY	69	67	68	68	67	67	67	62	64	67	66	67
OTHER SOCIAL SCIENCES	74	73	73	73	72	73	73	72	71	71	71	72
INTERDISCIPL./OTHER SCIENCES	84	83	82	82	82	81	81	82	80	82	83	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	76	76	76	75	75	75	75	75	75	75	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS (WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	85	85	84	84	84	83	83	84	84	85	85	85
COMPUTER SCIENCE	82	81	81	80	80	79	78	77	76	75	74	73
PHYSICAL SCIENCES												
ASTRONOMY	84	81	81	81	82	82	81	83	83	83	82	82
CHEMISTRY	86	85	86	85	85	84	84	84	84	85	85	84
PHYSICS	89	88	89	88	89	87	88	88	86	88	87	85
ARCHITECTURE/ENVIR. ENG.	79	78	78	77	77	76	76	76	75	76	77	76
ENGINEERING												
AEROSPACE ENGINEERING	82	82	81	81	81	82	83	83	82	84	84	83
ELECTRICAL ENGINEERING	87	84	86	85	85	85	86	86	85	86	85	83
CHEMICAL ENGINEERING	90	90	89	89	89	89	89	88	88	88	88	87
MECHANICAL ENGINEERING	82	83	83	82	83	82	82	82	83	82	82	83
CIVIL ENGINEERING	87	85	85	84	84	83	83	83	84	84	83	82
OTHER ENGINEERING	87	88	87	87	86	86	86	87	86	87	86	85
LIFE SCIENCES												
AGRICULTURE	73	71	71	70	70	70	70	70	69	69	70	69
BIOLOGICAL SCIENCES	82	81	81	81	80	80	81	81	81	81	81	81
EARTH & ENVIRONMENTAL SCI.	78	77	76	76	76	75	75	75	74	74	74	74
PSYCHOLOGY												
CHILD PSYCHOLOGY	72	70	69	69	68	68	68	67	67	68	68	68
GENERAL PSYCHOLOGY	76	75	74	74	73	73	73	72	72	72	72	71
SOCIAL PSYCHOLOGY	72	72	71	72	71	70	69	69	69	68	69	68
SOCIAL SCIENCES												
ECONOMICS	84	82	84	84	83	82	82	82	82	83	82	82
INTERNATIONAL RELATIONS	83	83	84	82	82	83	83	82	83	83	83	83
LAW ENFORCEMENT	68	66	66	65	64	65	65	65	63	64	65	65
POLITICAL SCIENCE	82	80	80	79	79	79	79	78	78	79	79	78
SOCIOLOGY	72	71	71	70	69	69	69	68	68	68	68	67
OTHER SOCIAL SCIENCES	74	74	73	73	73	73	74	73	72	72	72	73
INTERDISCIPL./OTHER SCIENCES	86	85	85	84	85	84	84	84	84	85	85	85
TOTAL OF SCIENCE, MATH & ENGINEERING	78	77	77	77	77	77	77	77	76	76	76	75

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS (BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	71	71	69	69	66	69	70	68	70	73	72	73
COMPUTER SCIENCE	70	69	68	68	68	68	68	67	67	66	65	65
PHYSICAL SCIENCES												
ASTRONOMY	69	69	69	61	67	72	70	65	70	68	70	65
CHEMISTRY	73	75	75	75	73	73	74	74	73	73	77	76
PHYSICS	83	76	80	79	76	78	74	75	78	75	79	73
ARCHITECTURE/ENVIR. ENG.	67	67	67	66	66	67	65	65	64	66	65	65
ENGINEERING												
AEROSPACE ENGINEERING	71	71	71	71	71	73	72	71	72	72	74	72
ELECTRICAL ENGINEERING	70	70	70	70	69	71	71	71	71	71	72	70
CHEMICAL ENGINEERING	80	81	79	80	80	80	77	76	79	80	76	78
MECHANICAL ENGINEERING	69	69	69	70	69	70	70	69	70	71	71	72
CIVIL ENGINEERING	77	76	75	74	74	73	71	73	73	70	70	70
OTHER ENGINEERING	73	73	73	72	72	73	72	72	71	72	71	71
LIFE SCIENCES												
AGRICULTURE	66	65	63	65	64	64	61	63	63	62	61	64
BIOLOGICAL SCIENCES	73	71	71	71	70	69	71	69	68	71	70	69
EARTH & ENVIRONMENTAL SCI.	68	67	66	67	64	64	62	66	64	65	63	65
PSYCHOLOGY												
CHILD PSYCHOLOGY	63	61	60	62	60	63	59	62	60	59	58	58
GENERAL PSYCHOLOGY	65	66	66	64	65	65	64	66	63	65	63	62
SOCIAL PSYCHOLOGY	63	63	62	61	64	67	62	61	62	59	56	62
SOCIAL SCIENCES												
ECONOMICS	75	78	74	74	77	76	83	76	72	71	79	69
INTERNATIONAL RELATIONS	77	74	76	73	70	77	76	71	74	75	76	77
LAW ENFORCEMENT	60	60	60	59	61	59	59	58	58	60	59	58
POLITICAL SCIENCE	73	69	70	70	68	67	67	68	71	67	68	66
SOCIOLOGY	62	59	63	61	58	62	63	57	63	56	58	56
OTHER SOCIAL SCIENCES	65	64	65	65	65	64	65	63	63	63	63	60
INTERDISCIPL./OTHER SCIENCES	69	73	73	73	68	69	72	66	73	75	71	70
TOTAL OF SCIENCE, MATH & ENGINEERING	70	69	69	69	69	70	69	69	69	69	68	68

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS (BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	76	76	71	73	74	74	73	73	74	79	75	79
COMPUTER SCIENCE	70	71	70	70	70	70	70	69	69	69	67	66
PHYSICAL SCIENCES												
ASTRONOMY	74	79	76	68	78	61	75	74	83	76	78	76
CHEMISIRY	76	74	75	77	75	78	76	73	76	74	77	78
PHYSICS	74	73	78	78	83	76	77	79	80	85	81	76
ARCHITECTURE/ENVIR. ENG.	69	69	70	69	70	68	69	67	68	68	70	69
ENGINEERING												
AEROSPACE ENGINEERING	76	79	76	74	74	74	74	73	74	76	76	76
ELECTRICAL ENGINEERING	80	79	77	77	78	75	78	77	77	76	77	77
CHEMICAL ENGINEERING	83	83	82	82	81	82	82	79	82	82	78	80
MECHANICAL ENGINEERING	81	80	79	76	75	75	78	77	75	74	75	78
CIVIL ENGINEERING	79	77	80	78	74	74	77	74	75	78	76	78
OTHER ENGINEERING	82	81	80	79	79	78	79	79	77	78	76	75
LIFE SCIENCES												
AGRICULTURE	65	63	67	63	61	62	59	70	60	63	67	65
BIOLOGICAL SCIENCES	72	73	72	72	73	72	73	73	73	73	73	72
EARTH & ENVIRONMENTAL SCI.	70	69	71	67	66	69	70	70	65	66	67	72
PSYCHOLOGY												
CHILD PSYCHOLOGY	66	64	64	64	63	63	64	63	63	63	64	64
GENERAL PSYCHOLOGY	69	69	68	66	68	68	66	66	66	67	66	65
SOCIAL PSYCHOLOGY	68	67	64	65	63	65	64	63	64	66	64	62
SOCIAL SCIENCES												
ECONOMICS	70	72	71	72	75	73	79	75	72	77	72	76
INTERNATIONAL RELATIONS	76	74	78	73	74	69	77	77	70	76	74	76
LAW ENFORCEMENT	63	64	63	62	60	63	62	62	61	63	63	63
POLITICAL SCIENCE	71	73	70	70	71	72	70	69	70	70	71	71
SOCIOLOGY	65	64	64	64	64	63	62	60	61	61	63	62
OTHER SOCIAL SCIENCES	63	64	64	63	62	64	64	65	63	62	62	62
INTERDISCIPL./OTHER SCIENCES	74	72	70	73	72	73	75	76	71	79	74	76
TOTAL OF SCIENCE, MATH & ENGINEERING	69	69	69	69	70	70	70	70	69	70	69	68

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN MATH SCIENCE AND ENGINEERING FIELDS
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	81	80	80	79	78	78	77	78	79	82	82	82
COMPUTER SCIENCE	77	76	76	75	75	74	74	73	73	73	72	72
PHYSICAL SCIENCES												
ASTRONOMY	80	81	78	75	78	76	77	77	78	79	78	80
CHEMISTRY	81	83	82	82	82	81	82	81	82	83	82	81
PHYSICS	88	85	86	85	85	85	86	85	84	86	86	85
ARCHITECTURE/ENVIR. ENG.	73	72	71	71	71	70	70	69	70	71	71	71
ENGINEERING												
AEROSPACE ENGINEERING	75	75	76	76	75	75	76	77	77	79	79	78
ELECTRICAL ENGINEERING	76	75	76	76	77	78	77	78	78	79	79	79
CHEMICAL ENGINEERING	85	85	84	84	84	84	83	84	83	84	85	84
MECHANICAL ENGINEERING	74	74	75	74	73	73	73	73	74	76	77	77
CIVIL ENGINEERING	77	77	77	77	76	75	77	75	76	77	77	77
OTHER ENGINEERING	79	79	79	79	78	78	79	79	79	80	79	79
LIFE SCIENCES												
AGRICULTURE	68	66	68	66	65	64	67	65	65	67	68	66
BIOLOGICAL SCIENCES	79	78	79	78	78	79	79	79	79	80	80	80
EARTH & ENVIRONMENTAL SCI.	73	71	72	71	70	70	70	69	68	69	71	69
PSYCHOLOGY												
CHILD PSYCHOLOGY	71	67	66	66	66	66	65	65	65	65	67	66
GENERAL PSYCHOLOGY	72	71	71	70	71	70	70	69	69	70	70	69
SOCIAL PSYCHOLOGY	69	69	68	68	66	68	69	68	67	70	66	67
SOCIAL SCIENCES												
ECONOMICS	82	82	81	82	82	81	83	80	81	82	82	82
INTERNATIONAL RELATIONS	80	80	77	79	79	78	80	77	80	80	79	80
LAW ENFORCEMENT	63	62	62	61	60	61	60	59	60	62	62	62
POLITICAL SCIENCE	79	78	76	77	75	75	73	75	74	76	76	76
SOCIOLOGY	67	69	70	66	70	66	66	67	66	66	69	67
OTHER SOCIAL SCIENCES	71	70	70	71	70	70	71	71	70	72	71	71
INTERDISCIPL./OTHER SCIENCES	83	82	82	83	81	81	82	81	81	84	84	83
TOTAL OF SCIENCE, MATH & ENGINEERING	76	75	75	75	75	75	75	75	75	76	76	75

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	61	61	60	61	61	60	62	62	62	65	66	67
COMPUTER SCIENCE	46	45	48	48	48	46	46	47	48	46	46	47
PHYSICAL SCIENCES	82	82	83	83	82	83	82	83	83	83	83	82
ARCHITECTURE/ENVIR. ENG.	60	59	59	59	59	58	57	57	57	56	55	56
ENGINEERING	55	55	56	57	57	58	58	60	60	61	61	62
LIFE SCIENCES	64	62	62	63	64	66	67	70	71	71	70	70
EARTH & ENVIRONMENTAL SCI.	68	66	65	66	66	65	64	63	64	65	64	64
PSYCHOLOGY	73	73	74	74	74	74	74	74	75	76	77	77
SOCIAL SCIENCES	59	57	59	60	61	62	62	61	62	59	59	59
INTERDISCIPL/OTHER SCIENCES	76	76	75	76	77	77	78	77	76	77	80	78
TOTAL OF SCIENCE, MATH & ENGINEERING	61	60	61	61	60	60	59	60	62	63	63	63

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	66	65	63	63	64	62	63	64	63	66	66	66
COMPUTER SCIENCE	49	49	51	50	49	48	47	47	48	47	47	48
PHYSICAL SCIENCES	84	84	84	85	83	85	83	84	83	84	84	82
ARCHITECTURE/ENVIR. ENG.	58	57	57	57	57	55	54	55	53	53	51	52
ENGINEERING	52	52	53	54	54	55	56	57	57	59	58	58
LIFE SCIENCES	64	62	60	61	61	62	63	64	66	66	64	63
EARTH & ENVIRONMENTAL SCI.	67	65	64	65	64	62	62	61	60	62	60	59
PSYCHOLOGY	79	79	80	80	79	79	79	79	79	80	79	77
SOCIAL SCIENCES	60	57	57	59	60	60	58	57	57	55	53	53
INTERDISCIPL/OTHER SCIENCES	78	76	75	76	76	77	78	77	76	77	80	76
TOTAL OF SCIENCE, MATH & ENGINEERING	60	58	58	58	58	57	57	57	58	59	59	59

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	53	54	55	56	56	57	58	59	59	63	62	66
COMPUTER SCIENCE	34	34	38	40	39	39	40	40	40	37	37	38
PHYSICAL SCIENCES	74	74	75	77	76	76	76	79	80	81	79	78
ARCHITECTURE/ENVIR. ENG.	61	58	61	60	61	60	60	62	61	61	59	62
ENGINEERING	61	61	62	62	64	65	65	67	68	69	68	69
LIFE SCIENCES	59	58	59	60	62	65	66	69	70	69	70	70
EARTH & ENVIRONMENTAL SCI.	68	66	65	67	68	69	66	68	68	69	69	68
PSYCHOLOGY	69	68	70	70	71	71	71	72	73	74	75	75
SOCIAL SCIENCES	57	55	57	59	60	62	63	63	64	62	62	64
INTERDISCIPL/OTHER SCIENCES	69	71	70	72	75	75	75	74	73	75	80	77
TOTAL OF SCIENCE, MATH & ENGINEERING	60	59	60	61	61	61	60	62	65	66	67	68

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	62	53	58	53	55	51	58	56	54	57	62	53
COMPUTER SCIENCE	49	48	50	51	51	50	49	49	49	44	42	43
PHYSICAL SCIENCES	80	84	81	77	76	81	82	73	83	81	73	75
ARCHITECTURE/ENVIR. ENG.	61	64	61	61	60	62	59	54	55	54	54	55
ENGINEERING	56	57	57	59	59	59	57	59	58	57	58	58
LIFE SCIENCES	73	77	73	72	74	76	76	73	75	72	68	67
EARTH & ENVIRONMENTAL SCI.	73	67	70	69	67	65	69	51	55	51	65	62
PSYCHOLOGY	76	78	77	77	75	79	76	77	79	77	74	75
SOCIAL SCIENCES	62	61	63	62	62	62	58	55	57	50	48	50
INTERDISCIPL/OTHER SCIENCES	68	74	81	79	77	73	75	68	76	70	47	71
TOTAL OF SCIENCE, MATH & ENGINEERING	61	61	61	61	60	59	57	57	57	55	55	56

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	73	69	69	72	73	71	72	68	65	73	70	77
COMPUTER SCIENCE	47	49	54	54	56	55	54	53	50	48	46	46
PHYSICAL SCIENCES	77	87	90	85	92	90	87	87	83	82	89	83
ARCHITECTURE/ENVIR. ENG.	74	74	74	73	69	72	71	65	75	69	65	67
ENGINEERING	76	78	75	77	76	74	76	76	73	71	72	73
LIFE SCIENCES	81	82	84	83	83	85	85	86	86	86	83	82
EARTH & ENVIRONMENTAL SCI.	86	79	83	79	70	72	81	72	66	68	63	77
PSYCHOLOGY	85	86	84	83	84	84	84	83	84	83	83	83
SOCIAL SCIENCES	66	66	68	66	68	68	67	67	65	64	63	64
INTERDISCIPL/OTHER SCIENCES	81	76	77	84	81	80	86	76	74	90	88	70
TOTAL OF SCIENCE, MATH & ENGINEERING	73	73	74	73	72	70	68	67	68	68	67	68

241

241

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	72	72	67	71	69	65	68	71	68	70	74	72
COMPUTER SCIENCE	55	51	53	54	54	52	52	54	54	51	51	53
PHYSICAL SCIENCES	88	86	86	87	87	87	86	86	88	87	86	86
ARCHITECTURE/ENVIR. ENG.	66	64	63	65	65	64	62	63	62	62	62	61
ENGINEERING	63	64	64	64	65	65	65	66	66	66	67	68
LIFE SCIENCES	75	75	76	76	78	78	79	81	83	82	81	82
EARTH & ENVIRONMENTAL SCI.	75	71	71	72	68	71	66	65	68	68	66	66
PSYCHOLOGY	77	77	79	79	78	80	79	76	77	81	79	79
SOCIAL SCIENCES	63	62	62	64	65	67	67	67	67	65	65	65
INTERDISCIPL/OTHER SCIENCES	84	83	82	85	84	81	84	85	85	84	83	88
TOTAL OF SCIENCE, MATH & ENGINEERING	68	67	67	67	67	66	65	66	67	68	68	69

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	61	61	60	61	61	60	62	62	62	65	66	67
COMPUTER SCIENCE	46	45	48	48	48	46	46	47	48	46	46	47
PHYSICAL SCIENCES												
ASTRONOMY	85	83	81	82	82	82	83	82	83	86	85	82
CHEMISTRY	76	77	77	79	77	78	76	77	77	78	78	77
PHYSICS	91	89	91	90	89	90	88	90	90	89	88	87
ARCHITECTURE/ENVIR. ENG.	60	59	59	59	59	58	57	57	57	56	55	56
ENGINEERING												
AEROSPACE ENGINEERING	56	55	57	57	59	60	60	61	62	63	62	62
ELECTRICAL ENGINEERING	47	47	49	49	51	52	53	56	56	57	58	57
CHEMICAL ENGINEERING	74	73	73	74	74	73	73	74	75	75	75	74
MECHANICAL ENGINEERING	48	47	48	50	49	49	49	50	53	53	54	55
CIVIL ENGINEERING	52	53	53	55	54	54	53	55	55	51	50	51
OTHER ENGINEERING	58	58	59	60	60	61	61	63	63	65	65	65
LIFE SCIENCES												
AGRICULTURE	39	31	31	31	32	32	31	32	33	31	31	33
BIOLOGICAL SCIENCES	74	74	73	74	75	77	78	79	80	81	80	79
EARTH & ENVIRONMENTAL SCI.	68	66	65	66	66	65	64	63	64	65	64	64
PSYCHOLOGY												
CHILD PSYCHOLOGY	70	68	70	71	71	69	69	71	71	72	72	73
GENERAL PSYCHOLOGY	75	75	76	76	76	76	77	77	77	78	79	79
SOCIAL PSYCHOLOGY	69	68	70	69	71	71	71	71	73	67	64	64
SOCIAL SCIENCES												
ECONOMICS	80	79	79	78	81	81	82	81	81	81	78	79
INTERNATIONAL RELATIONS	78	80	80	80	81	80	81	80	82	82	82	81
LAW ENFORCEMENT	29	28	27	27	27	28	27	26	27	33	35	37
POLITICAL SCIENCE	82	77	78	78	77	76	77	78	77	76	75	75
SOCIOLOGY	52	52	53	54	51	53	53	54	55	50	52	50
OTHER SOCIAL SCIENCES	59	60	61	62	61	62	63	63	64	61	60	62
INTERDISCIPL./OTHER SCIENCES	76	76	75	76	77	77	78	77	76	77	80	78
TOTAL OF SCIENCE, MATH & ENGINEERING	61	60	61	61	60	60	59	60	62	63	63	63

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	66	65	63	63	64	62	63	64	63	66	66	66
COMPUTER SCIENCE	49	49	51	50	49	48	47	47	48	47	47	48
PHYSICAL SCIENCES												
ASTRONOMY	86	83	82	83	81	83	83	83	82	86	85	82
CHEMISTRY	78	79	78	80	78	79	76	77	76	76	79	78
PHYSICS	90	89	91	89	89	90	88	89	89	89	88	86
ARCHITECTURE/ENVIR. ENG.	58	57	57	57	57	55	54	55	53	53	51	52
ENGINEERING												
AEROSPACE ENGINEERING	54	53	55	55	57	58	58	59	61	61	59	60
ELECTRICAL ENGINEERING	44	44	46	46	48	49	51	53	53	55	54	53
CHEMICAL ENGINEERING	75	71	73	74	72	72	72	72	73	73	73	72
MECHANICAL ENGINEERING	45	45	46	47	46	46	47	48	50	51	51	52
CIVIL ENGINEERING	49	49	49	50	49	49	48	51	50	48	46	45
OTHER ENGINEERING	56	56	56	57	57	57	58	60	60	62	62	62
LIFE SCIENCES												
AGRICULTURE	37	29	28	29	28	27	27	27	27	27	26	28
BIOLOGICAL SCIENCES	78	78	76	77	77	78	79	79	80	81	79	77
EARTH & ENVIRONMENTAL SCI.	67	65	64	65	64	62	62	61	60	62	60	59
PSYCHOLOGY												
CHILD PSYCHOLOGY	78	76	75	80	82	74	75	75	74	79	73	70
GENERAL PSYCHOLOGY	80	80	81	81	79	80	80	80	79	80	80	79
SOCIAL PSYCHOLOGY	76	74	77	73	77	75	77	74	80	75	68	65
SOCIAL SCIENCES												
ECONOMICS	81	82	81	76	82	82	82	83	81	81	79	79
INTERNATIONAL RELATIONS	84	85	85	85	84	82	85	84	86	84	83	81
LAW ENFORCEMENT	24	24	22	22	21	23	22	22	23	25	25	27
POLITICAL SCIENCE	83	77	78	79	76	74	77	76	75	75	74	73
SOCIOLOGY	61	58	60	60	53	58	61	54	60	61	51	50
OTHER SOCIAL SCIENCES	65	65	66	67	65	65	65	65	65	62	59	61
INTERDISCIPL./OTHER SCIENCES	78	76	75	76	76	77	78	77	76	77	80	76
TOTAL OF SCIENCE, MATH & ENGINEERING	60	58	58	58	58	57	57	57	58	59	59	59

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	53	54	55	56	56	57	58	59	59	63	62	66
COMPUTER SCIENCE	34	34	38	40	39	39	40	40	40	37	37	38
PHYSICAL SCIENCES												
ASTRONOMY	83	84	76	77	81	76	80	81	87	87	86	81
CHEMISTRY	70	69	71	74	72	74	72	76	75	77	75	74
PHYSICS	88	89	87	91	88	84	89	89	90	86	85	85
ARCHITECTURE/ENVIR. ENG.	61	58	61	60	61	60	60	62	61	61	59	62
ENGINEERING												
AEROSPACE ENGINEERING	65	61	60	63	61	67	65	69	69	72	70	69
ELECTRICAL ENGINEERING	57	55	55	59	62	59	61	65	63	63	61	61
CHEMICAL ENGINEERING	68	71	68	70	69	72	71	73	75	73	73	75
MECHANICAL ENGINEERING	52	53	50	55	56	54	56	57	62	58	59	64
CIVIL ENGINEERING	53	56	57	57	55	62	55	60	67	60	58	62
OTHER ENGINEERING	61	61	63	62	66	66	65	67	68	70	70	70
LIFE SCIENCES												
AGRICULTURE	39	30	30	31	34	36	34	36	38	34	35	36
BIOLOGICAL SCIENCES	67	67	68	69	70	73	73	76	76	77	78	77
EARTH & ENVIRONMENTAL SCI.	68	66	65	67	68	69	66	68	68	69	69	68
PSYCHOLOGY												
CHILD PSYCHOLOGY	66	63	67	68	68	66	67	70	69	70	70	72
GENERAL PSYCHOLOGY	71	71	72	72	73	73	74	74	75	77	77	77
SOCIAL PSYCHOLOGY	64	62	66	66	68	68	68	69	69	64	61	63
SOCIAL SCIENCES												
ECONOMICS	75	73	76	76	78	76	77	79	78	78	76	76
INTERNATIONAL RELATIONS	72	77	76	78	78	79	79	78	79	81	82	81
LAW ENFORCEMENT	31	30	30	31	30	31	32	31	31	38	41	44
POLITICAL SCIENCE	79	74	76	78	77	77	77	78	78	76	76	77
SOCIOLOGY	46	45	47	50	49	50	48	54	52	46	51	48
OTHER SOCIAL SCIENCES	55	56	57	58	58	59	61	62	63	61	60	63
INTERDISCIPL./OTHER SCIENCES	69	71	70	72	75	75	75	74	73	75	80	77
TOTAL OF SCIENCE, MATH & ENGINEERING	60	59	60	61	61	61	60	62	65	66	67	68

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	62	53	58	53	55	51	58	56	54	57	62	53
COMPUTER SCIENCE	49	48	50	51	51	50	49	49	49	44	42	43
PHYSICAL SCIENCES												
ASTRONOMY	53	67	63	60	83	77	89	70	72	76	73	58
CHEMISTRY	79	83	84	77	71	80	78	71	79	79	69	75
PHYSICS	92	89	80	85	81	85	87	78	91	87	81	85
ARCHITECTURE/ENVIR. ENG.	61	64	61	61	60	62	59	54	55	54	54	55
ENGINEERING												
AEROSPACE ENGINEERING	59	58	62	62	63	63	60	61	66	60	60	61
ELECTRICAL ENGINEERING	47	49	47	50	50	52	50	53	51	52	54	53
CHEMICAL ENGINEERING	80	79	79	78	76	78	80	80	80	78	71	69
MECHANICAL ENGINEERING	55	52	53	54	53	56	52	56	53	56	56	58
CIVIL ENGINEERING	64	66	68	67	69	63	61	66	65	46	56	56
OTHER ENGINEERING	60	63	60	65	63	60	61	62	61	60	60	59
LIFE SCIENCES												
AGRICULTURE	55	59	47	51	49	52	38	44	38	38	36	37
BIOLOGICAL SCIENCES	77	81	81	79	80	82	84	77	82	78	75	73
EARTH & ENVIRONMENTAL SCI.	73	67	70	69	67	65	69	51	55	51	65	62
PSYCHOLOGY												
CHILD PSYCHOLOGY	72	76	74	70	67	68	67	77	74	67	55	73
GENERAL PSYCHOLOGY	78	80	80	80	79	85	81	77	81	80	77	76
SOCIAL PSYCHOLOGY	74	74	69	74	70	67	64	76	76	53	69	65
SOCIAL SCIENCES												
ECONOMICS	82	82	75	80	82	79	70	75	91	78	79	75
INTERNATIONAL RELATIONS	88	79	95	68	79	79	72	84	88	86	86	88
LAW ENFORCEMENT	35	36	35	41	34	39	33	30	32	35	36	40
POLITICAL SCIENCE	82	79	83	75	81	80	75	74	76	75	72	73
SOCIOLOGY	56	61	63	61	50	37	43	32	55	42	32	36
OTHER SOCIAL SCIENCES	61	61	60	62	62	60	63	61	56	47	50	47
INTERDISCIPL./OTHER SCIENCES	68	74	81	79	77	73	75	68	76	70	47	71
TOTAL OF SCIENCE, MATH & ENGINEERING	61	61	61	61	60	59	57	57	57	55	55	56

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	73	69	69	72	73	71	72	68	65	73	70	77
COMPUTER SCIENCE	47	49	54	54	56	55	54	53	50	48	46	46
PHYSICAL SCIENCES												
ASTRONOMY	83	100	100	78	100	67	80	71	100	91	91	84
CHEMISTRY	78	88	90	86	90	91	87	88	82	79	88	80
PHYSICS	71	78	88	82	100	86	89	86	89	100	100	92
ARCHITECTURE/ENVIR. ENG.	74	74	74	73	69	72	71	65	75	69	65	67
ENGINEERING												
AEROSPACE ENGINEERING	76	84	86	70	76	73	81	78	68	69	71	76
ELECTRICAL ENGINEERING	65	70	72	65	69	69	71	71	71	69	70	70
CHEMICAL ENGINEERING	83	81	80	84	82	82	83	83	80	82	82	81
MECHANICAL ENGINEERING	83	65	68	77	73	73	77	71	69	64	64	71
CIVIL ENGINEERING	68	81	71	80	74	74	76	74	70	71	73	67
OTHER ENGINEERING	78	79	76	79	78	75	75	79	75	71	72	72
LIFE SCIENCES												
AGRICULTURE	74	47	73	60	55	73	67	68	62	60	69	61
BIOLOGICAL SCIENCES	82	84	85	85	85	86	86	87	87	88	84	84
EARTH & ENVIRONMENTAL SCI.	86	79	83	79	70	72	81	72	66	68	63	77
PSYCHOLOGY												
CHILD PSYCHOLOGY	82	82	82	79	80	80	81	80	81	82	82	80
GENERAL PSYCHOLOGY	88	88	86	87	88	87	87	85	86	85	83	84
SOCIAL PSYCHOLOGY	82	86	82	80	84	88	78	82	80	71	77	76
SOCIAL SCIENCES												
ECONOMICS	70	74	74	78	81	89	89	81	64	80	74	82
INTERNATIONAL RELATIONS	95	87	86	83	85	89	86	79	83	84	86	86
LAW ENFORCEMENT	61	58	59	54	59	57	53	56	51	63	62	59
POLITICAL SCIENCE	86	82	81	82	83	83	78	83	81	79	79	79
SOCIOLOGY	64	63	60	61	60	65	63	50	58	48	52	54
OTHER SOCIAL SCIENCES	61	65	67	65	66	63	63	65	63	60	56	61
INTERDISCIPL./OTHER SCIENCES	81	76	77	84	81	80	86	76	74	90	88	70
TOTAL OF SCIENCE, MATH & ENGINEERING	73	73	74	73	72	70	68	67	68	68	67	68

PERCENT OF STUDENTS WHO INTEND TO MAJOR IN MATH, SCIENCE, AND ENGINEERING WHO PLAN TO RECEIVE A GRADUATE DEGREE
(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MATH & STATISTICS	72	72	67	71	69	65	68	71	68	70	74	72
COMPUTER SCIENCE	55	51	53	54	54	52	52	54	54	51	51	53
PHYSICAL SCIENCES												
ASTRONOMY	91	91	87	86	85	86	86	83	85	82	82	83
CHEMISTRY	83	81	79	84	82	82	83	81	84	85	82	82
PHYSICS	94	91	93	92	93	92	89	92	93	93	92	91
ARCHITECTURE/ENVIR. ENG.	66	64	63	65	65	64	62	63	62	62	62	61
ENGINEERING												
AEROSPACE ENGINEERING	61	62	63	63	64	65	66	67	66	68	68	68
ELECTRICAL ENGINEERING	57	57	58	58	60	61	60	64	62	63	64	64
CHEMICAL ENGINEERING	79	79	79	78	83	77	76	80	79	79	80	79
MECHANICAL ENGINEERING	57	56	57	61	60	57	56	56	62	59	62	62
CIVIL ENGINEERING	62	67	65	65	65	61	66	63	64	61	56	60
OTHER ENGINEERING	67	67	68	67	68	69	68	69	70	70	72	72
LIFE SCIENCES												
AGRICULTURE	48	41	45	42	44	43	41	39	47	46	46	39
BIOLOGICAL SCIENCES	82	83	83	83	84	85	85	86	87	86	85	86
EARTH & ENVIRONMENTAL SCI.	75	71	71	72	68	71	66	65	68	68	66	66
PSYCHOLOGY												
CHILD PSYCHOLOGY	71	72	77	77	73	75	74	73	72	79	75	76
GENERAL PSYCHOLOGY	80	81	82	82	80	83	81	79	80	82	81	80
SOCIAL PSYCHOLOGY	73	74	71	73	74	78	77	72	76	73	68	64
SOCIAL SCIENCES												
ECONOMICS	84	82	79	84	82	86	90	81	86	86	81	82
INTERNATIONAL RELATIONS	86	81	82	78	80	79	78	77	84	82	81	79
LAW ENFORCEMENT	34	37	33	29	33	34	32	32	31	39	44	46
POLITICAL SCIENCE	84	83	83	79	81	81	79	85	80	80	78	80
SOCIOLOGY	56	59	55	60	55	53	63	64	59	59	58	58
OTHER SOCIAL SCIENCES	63	62	63	65	65	68	67	68	68	64	68	66
INTERDISCIPL./OTHER SCIENCES	84	83	82	85	84	81	84	85	85	84	83	88
TOTAL OF SCIENCE, MATH & ENGINEERING	68	67	67	67	67	66	65	66	67	68	68	69

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	32505	31239	32035	32726	34289	34286	34661	37379	37836	35490	36855	34677
OTHER HEALTH FIELDS	106724	112399	106202	96302	92359	89050	88262	88527	82979	78445	82979	86091
PRELAW	19825	32329	30332	29958	29711	29891	29205	28973	29257	27757	31870	36683
HUMANITIES	18247	18514	18259	17287	16467	15978	14554	14018	14755	13596	14454	15889
HISTORY & CULTURE	7172	6227	5777	5140	4767	4665	4299	3925	4268	3985	4483	5231
FOREIGN LANGUAGES	8420	8255	8085	7348	7382	7041	6588	6698	7054	7429	7949	8636
STUDIO/PERFORMING ARTS	55966	62967	67212	63152	59255	54475	48615	45859	47704	52852	61818	66955
COMMUNICATIONS	23482	27004	30332	31440	32397	31094	30360	30749	31703	37772	45727	51275
BUSINESS	110439	139904	155724	161019	159910	160266	153145	157108	173049	199710	231099	245826
EDUCATION	61271	60237	55167	51547	48330	41495	36495	36559	37835	46524	59173	69677
VOCATIONAL FIELDS	28271	31935	33517	32738	33835	34376	33451	31554	27925	27367	32438	34174
OTHER/MISSING/UNDECIDED	267530	195832	178110	187545	190724	186712	182705	189426	201973	184799	156427	148317
TOTAL OF NON SCIENCE FIELDS	739852	726842	720752	716202	709426	689329	662340	670775	696338	715726	765272	803431
TOTAL OF ALL EXAMINEES	979273	988927	991257	990787	993385	987449	962210	964550	977357	1000747	1080426	1134364

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	15185	13959	13411	13168	13457	13168	12979	13954	13871	11793	11585	10355
OTHER HEALTH FIELDS	18171	19213	18329	16350	15215	13605	12931	13826	13739	14128	16627	17982
PRELAW	9881	15887	14522	13448	13055	12528	12147	11563	11675	10208	10950	12156
HUMANITIES	5947	5645	5431	5306	5257	5195	4948	4576	4875	4695	4837	5189
HISTORY & CULTURE	3726	3217	3053	2777	2610	2567	2344	2206	2330	2316	2579	2890
FOREIGN LANGUAGES	991	955	911	955	1006	1008	947	959	977	1121	1278	1593
STUDIO/PERFORMING ARTS	14466	15802	16680	15928	15475	14435	12894	12298	12769	14623	17579	19239
COMMUNICATIONS	9518	10550	11388	11456	11706	11014	10731	10411	10801	11058	13233	14898
BUSINESS	48693	58897	63512	63011	59355	58536	55528	56899	63995	72639	85712	91834
EDUCATION	11330	11001	10080	9035	8306	7142	6317	6446	6591	7990	10546	12603
VOCATIONAL FIELDS	13600	14841	15444	15040	15457	15478	14572	13794	12410	13283	16761	17076
OTHER/MISSING/UNDECIDED	107089	79134	71644	72429	73409	70187	67859	63696	65322	68060	57583	54632
TOTAL OF NON SCIENCE FIELDS	258597	249101	244405	238903	234308	224863	214197	210628	219355	231914	249270	260447
TOTAL OF ALL EXAMINEES	383280	383173	382077	376858	377193	373421	362742	355433	356971	366553	395475	405962

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	9901	9359	10214	10497	11387	11670	11768	12628	12828	11466	11909	10933
OTHER HEALTH FIELDS	69156	71577	67321	60870	58651	57069	56734	55986	51233	46730	47470	46789
PRELAW	5852	10400	10007	10674	10922	11660	11515	11892	11818	11385	13230	14813
HUMANITIES	9953	10406	10314	9610	9043	8725	7691	7528	7980	7119	7610	8165
HISTORY & CULTURE	2587	2162	2013	1716	1610	1513	1457	1266	1409	1200	1397	1591
FOREIGN LANGUAGES	6130	5924	5836	5161	5211	4852	4554	4648	4908	5053	5248	5262
STUDIO/PERFORMING ARTS	31839	35561	38570	35944	33360	30387	27243	25486	26588	28663	33136	34694
COMMUNICATIONS	9593	11079	12983	13730	14180	13651	13756	14319	14717	19223	23773	25556
BUSINESS	40538	53640	61628	65953	68465	69773	67783	69590	73861	82619	92771	92261
EDUCATION	39930	39094	36097	34251	32945	28250	24914	25130	26248	31957	40668	46813
VOCATIONAL FIELDS	8981	10142	10869	10427	10606	10907	10591	9851	8351	7222	7730	8206
OTHER/MISSING/UNDECIDED	98935	69632	62847	66417	68856	67250	65868	62936	64209	62920	49189	47787
TOTAL OF NON SCIENCE FIELDS	333398	328976	328699	325250	325236	315707	303874	301260	304150	315557	334127	342870
TOTAL OF ALL EXAMINEES	406957	408455	410630	407369	409193	404065	391595	386280	385930	397684	426592	442069

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	1116	1068	1037	1079	1047	1020	1053	1094	1030	956	1129	1074
OTHER HEALTH FIELDS	1516	1692	1689	1442	1392	1213	1230	1209	1117	1150	1403	1605
PRELAW	897	1127	1189	1074	1022	995	969	979	888	882	1052	1315
HUMANITIES	343	378	377	308	298	266	221	235	207	175	178	244
HISTORY & CULTURE	261	253	196	180	150	137	115	92	115	101	112	127
FOREIGN LANGUAGES	59	56	65	56	59	55	41	41	48	80	76	103
STUDIO/PERFORMING ARTS	1930	2334	2255	2112	1821	1670	1500	1358	1248	1368	1639	1756
COMMUNICATIONS	1133	1433	1544	1528	1509	1478	1262	1257	1240	1390	1526	1772
BUSINESS	4085	5219	5769	5849	5489	5422	4847	4967	5885	7292	8958	10471
EDUCATION	1858	1804	1666	1380	1161	912	785	720	664	878	1018	1197
VOCATIONAL FIELDS	1399	1611	1766	1740	1850	1794	1852	1783	1528	1605	2022	2168
OTHER/MISSING/UNDECIDED	8209	5770	5188	5878	5855	5992	5591	5484	5677	5564	5034	5019
TOTAL OF NON SCIENCE FIELDS	22806	22745	22741	22626	21653	20954	19466	19219	19647	21441	24147	26851
TOTAL OF ALL EXAMINEES	31581	33072	33467	33999	33481	33162	32127	31671	31251	33520	37962	42077

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	1933	2125	2280	2458	2521	2454	2505	2681	2646	2850	3283	3363
OTHER HEALTH FIELDS	8101	8697	8069	7392	7147	7010	7255	7265	6524	6117	6360	6746
PRELAW	1204	1804	1815	1837	1847	1795	1726	1754	1948	2089	2644	3345
HUMANITIES	617	611	626	481	443	433	376	375	353	284	348	376
HISTORY & CULTURE	134	102	86	77	62	64	47	46	63	52	56	73
FOREIGN LANGUAGES	241	242	239	208	236	219	203	201	211	229	277	316
STUDIO/PERFORMING ARTS	2964	3384	3495	3060	2807	2409	1944	1878	2007	1956	2090	2361
COMMUNICATIONS	1468	1811	2014	2232	2367	2282	2112	2145	2210	2506	2960	3427
BUSINESS	7240	8608	9770	10209	10139	9642	8925	8997	9960	11958	13891	15127
EDUCATION	3842	3659	3270	2911	2349	1880	1579	1443	1421	1807	2233	2648
VOCATIONAL FIELDS	1487	1822	1807	1941	2102	2101	2323	2270	1902	1484	1552	1612
OTHER/MISSING/UNDECIDED	10453	6825	6586	7822	7675	7745	7597	7010	7568	6122	5119	5209
TOTAL OF NON SCIENCE FIELDS	39684	39690	40057	40628	39695	38034	36592	36065	36813	37454	40813	44603
TOTAL OF ALL EXAMINEES	47900	49481	50049	51128	50494	49409	48294	47778	47511	49283	54145	60033

NUMBER OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	4370	4728	5093	5524	5877	5974	6356	7022	7461	8425	8953	8952
OTHER HEALTH FIELDS	9780	11220	10794	10248	9954	10153	10112	10241	10366	10320	11119	12969
PRELAW	1991	3111	2799	2925	2865	2913	2848	2785	2928	3193	3994	5054
HUMANITIES	1387	1474	1511	1582	1426	1359	1318	1304	1340	1323	1481	1915
HISTORY & CULTURE	464	493	429	390	335	384	336	315	351	316	339	550
FOREIGN LANGUAGES	999	1078	1034	968	870	907	843	849	910	946	1070	1362
STUDIO/PERFORMING ARTS	4767	5886	6212	6108	5792	5574	5034	4839	5092	6242	7374	8905
COMMUNICATIONS	1770	2131	2403	2494	2635	2669	2499	2617	2735	3595	4235	5622
BUSINESS	9883	13540	15045	15997	16462	16893	16062	16655	19348	25202	29767	36133
EDUCATION	4311	4679	4054	3970	3569	3311	2900	2820	2911	3892	4708	6416
VOCATIONAL FIELDS	2804	3519	3631	3590	3820	4096	4113	3856	3734	3773	4373	5112
OTHER/MISSING/UNDECIDED	42841	34471	31845	34999	34929	35538	35790	50300	59197	42133	39502	35670
TOTAL OF NON SCIENCE FIELDS	85367	86330	84850	88795	88534	89771	88211	103603	116373	109360	116915	128660
TOTAL OF ALL EXAMINEES	109555	114746	115034	121433	123024	127392	127452	143388	155694	153707	166252	184223

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.32	3.16	3.23	3.30	3.45	3.47	3.60	3.88	3.87	3.55	3.41	3.06
OTHER HEALTH FIELDS	10.90	11.37	10.71	9.72	9.30	9.02	9.17	9.18	8.49	7.84	7.68	7.59
PRELAW	2.02	3.27	3.06	3.02	2.99	3.03	3.04	3.00	2.99	2.77	2.95	3.23
HUMANITIES	1.86	1.87	1.84	1.74	1.66	1.62	1.51	1.45	1.51	1.36	1.34	1.40
HISTORY & CULTURE	0.73	0.63	0.58	0.52	0.48	0.47	0.45	0.41	0.44	0.40	0.41	0.46
FOREIGN LANGUAGES	0.86	0.83	0.82	0.74	0.74	0.71	0.68	0.69	0.72	0.74	0.74	0.76
STUDIO/PERFORMING ARTS	5.72	6.37	6.78	6.37	5.96	5.52	5.05	4.75	4.88	5.28	5.72	5.90
COMMUNICATIONS	2.40	2.73	3.06	3.17	3.26	3.15	3.16	3.19	3.24	3.77	4.23	4.52
BUSINESS	11.28	14.15	15.71	16.25	16.10	16.23	15.92	16.29	17.71	19.96	21.39	21.67
EDUCATION	6.26	6.09	5.57	5.20	4.87	4.20	3.79	3.79	3.87	4.65	5.48	6.14
VOCATIONAL FIELDS	2.89	3.23	3.38	3.30	3.41	3.48	3.48	3.27	2.86	2.73	3.00	3.01
OTHER/MISSING/UNDECIDED	27.32	19.80	17.97	18.93	19.20	18.91	18.99	19.64	20.67	18.47	14.48	13.07
TOTAL OF NON SCIENCE FIELDS	75.55	73.50	72.71	72.29	71.41	69.81	68.84	69.54	71.25	71.52	70.83	70.83
TOTAL OF ALL EXAMINEES	979273	988927	991257	990787	993385	987449	962210	964550	977357	1000747	1080426	1134364

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.96	3.64	3.51	3.49	3.57	3.53	3.58	3.93	3.89	3.22	2.93	2.55
OTHER HEALTH FIELDS	4.74	5.01	4.80	4.34	4.03	3.64	3.56	3.89	3.85	3.85	4.20	4.43
PRELAW	2.58	4.15	3.80	3.57	3.46	3.35	3.35	3.25	3.27	2.78	2.77	2.99
HUMANITIES	1.55	1.47	1.42	1.41	1.39	1.39	1.36	1.29	1.37	1.28	1.22	1.28
HISTORY & CULTURE	0.97	0.84	0.80	0.74	0.69	0.69	0.65	0.62	0.65	0.63	0.65	0.71
FOREIGN LANGUAGES	0.26	0.25	0.24	0.25	0.27	0.27	0.26	0.27	0.27	0.31	0.32	0.39
STUDIO/PERFORMING ARTS	3.77	4.12	4.37	4.23	4.10	3.87	3.55	3.46	3.58	3.99	4.45	4.74
COMMUNICATIONS	2.48	2.75	2.98	3.04	3.10	2.95	2.96	2.93	3.03	3.02	3.35	3.67
BUSINESS	12.70	15.37	16.62	16.72	15.74	15.68	15.31	16.01	17.93	19.82	21.67	22.62
EDUCATION	2.96	2.87	2.64	2.40	2.20	1.91	1.74	1.81	1.85	2.18	2.67	3.10
VOCATIONAL FIELDS	3.55	3.87	4.04	3.99	4.10	4.14	4.02	3.88	3.48	3.62	4.24	4.21
OTHER/MISSING/UNDECIDED	27.94	20.65	18.75	19.22	19.46	18.80	18.71	17.92	18.30	18.57	14.56	13.46
TOTAL OF NON SCIENCE FIELDS	67.47	65.01	63.97	63.39	62.12	60.22	59.05	59.26	61.45	63.27	63.03	64.16
TOTAL OF ALL EXAMINEES	383280	383173	382077	376858	377193	373421	362742	355433	356971	366553	395475	405962

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	2.43	2.29	2.49	2.58	2.78	2.89	3.01	3.27	3.32	2.88	2.79	2.47
OTHER HEALTH FIELDS	16.99	17.52	16.39	14.94	14.33	14.12	14.49	14.49	13.28	11.75	11.13	10.58
PRELAW	1.44	2.55	2.44	2.62	2.67	2.89	2.94	3.08	3.06	2.86	3.10	3.35
HUMANITIES	2.45	2.55	2.51	2.36	2.21	2.16	1.96	1.95	2.07	1.79	1.78	1.85
HISTORY & CULTURE	0.64	0.53	0.49	0.42	0.39	0.37	0.37	0.33	0.37	0.30	0.33	0.36
FOREIGN LANGUAGES	1.51	1.45	1.42	1.27	1.27	1.20	1.16	1.20	1.27	1.27	1.23	1.19
STUDIO/PERFORMING ARTS	7.82	8.71	9.39	8.82	8.15	7.52	6.96	6.60	6.89	7.21	7.77	7.85
COMMUNICATIONS	2.36	2.71	3.16	3.37	3.47	3.38	3.51	3.71	3.81	4.83	5.57	5.78
BUSINESS	9.96	13.13	15.01	16.19	16.73	17.27	17.31	18.02	19.14	20.78	21.75	20.87
EDUCATION	9.81	9.57	8.79	8.41	8.05	6.99	6.36	6.51	6.80	8.04	9.53	10.59
VOCATIONAL FIELDS	2.21	2.48	2.65	2.56	2.59	2.70	2.70	2.55	2.16	1.82	1.81	1.86
OTHER/MISSING/UNDECIDED	24.31	17.05	15.31	16.30	16.83	16.64	16.82	16.29	16.64	15.82	11.53	10.81
TOTAL OF NON SCIENCE FIELDS	81.92	80.54	80.05	79.84	79.48	78.13	77.60	77.99	78.81	79.35	78.32	77.56
TOTAL OF ALL EXAMINEES	406957	408455	410630	407369	409193	404065	391595	386280	385930	397684	426592	442069

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.53	3.23	3.10	3.17	3.13	3.08	3.28	3.45	3.30	2.85	2.97	2.55
OTHER HEALTH FIELDS	4.80	5.12	5.05	4.24	4.16	3.66	3.83	3.82	3.57	3.43	3.70	3.81
PRELAW	2.84	3.41	3.55	3.16	3.05	3.00	3.02	3.09	2.84	2.63	2.77	3.15
HUMANITIES	1.09	1.14	1.13	0.91	0.89	0.80	0.69	0.74	0.66	0.52	0.47	0.58
HISTORY & CULTURE	0.83	0.76	0.59	0.53	0.45	0.41	0.36	0.29	0.37	0.30	0.30	0.30
FOREIGN LANGUAGES	0.19	0.17	0.19	0.16	0.18	0.17	0.13	0.13	0.15	0.24	0.20	0.24
STUDIO/PERFORMING ARTS	6.11	7.06	6.74	6.21	5.44	5.04	4.67	4.29	3.99	4.08	4.32	4.17
COMMUNICATIONS	3.59	4.33	4.61	4.49	4.51	4.46	3.93	3.97	3.97	4.15	4.02	4.21
BUSINESS	12.93	15.78	17.24	17.20	16.39	16.35	15.09	15.68	18.83	21.75	23.60	24.89
EDUCATION	5.88	5.45	4.98	4.06	3.47	2.75	2.44	2.27	2.12	2.62	2.68	2.84
VOCATIONAL FIELDS	4.43	4.87	5.28	5.12	5.53	5.41	5.76	5.63	4.89	4.79	5.33	5.15
OTHER/MISSING/UNDECIDED	25.99	17.45	15.50	17.29	17.49	18.07	17.40	17.32	18.17	16.60	13.26	11.93
TOTAL OF NON SCIENCE FIELDS	72.21	68.77	67.95	66.55	64.67	63.19	60.59	60.68	62.87	63.96	63.61	63.81
TOTAL OF ALL EXAMINEES	31581	33072	33467	33999	33481	33162	32127	31671	31251	33520	37962	42077

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	4.04	4.29	4.56	4.81	4.99	4.97	5.19	5.61	5.57	5.78	6.06	5.60
OTHER HEALTH FIELDS	16.91	17.58	16.12	14.46	14.15	14.19	15.02	15.21	13.73	12.41	11.75	11.24
PRELAW	2.51	3.65	3.63	3.59	3.66	3.63	3.57	3.67	4.10	4.24	4.88	5.57
HUMANITIES	1.29	1.23	1.25	0.94	0.88	0.88	0.78	0.78	0.74	0.58	0.64	0.63
HISTORY & CULTURE	0.28	0.21	0.17	0.15	0.12	0.13	0.10	0.10	0.13	0.11	0.10	0.12
FOREIGN LANGUAGES	0.50	0.49	0.48	0.41	0.47	0.44	0.42	0.42	0.44	0.46	0.51	0.53
STUDIO/PERFORMING ARTS	6.19	6.84	6.98	5.98	5.56	4.88	4.03	3.93	4.22	3.97	3.86	3.93
COMMUNICATIONS	3.06	3.66	4.02	4.37	4.69	4.62	4.37	4.49	4.65	5.08	5.47	5.71
BUSINESS	15.11	17.40	19.52	19.97	20.08	19.51	18.48	18.83	20.96	24.26	25.66	25.20
EDUCATION	8.02	7.39	6.53	5.69	4.65	3.80	3.27	3.02	2.99	3.67	4.12	4.41
VOCATIONAL FIELDS	3.10	3.68	3.61	3.80	4.16	4.25	4.81	4.75	4.00	3.01	2.87	2.69
OTHER/MISSING/UNDECIDED	21.82	13.79	13.16	15.30	15.20	15.68	15.73	14.67	15.93	12.42	9.45	8.68
TOTAL OF NON SCIENCE FIELDS	82.85	80.21	80.04	79.46	78.61	76.98	75.77	75.48	77.48	76.00	75.38	74.30
TOTAL OF ALL EXAMINEES	47900	49481	50049	51128	50494	49409	48294	47778	47511	49283	54145	60033

PERCENT OF EXAMINEES PLANNING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.99	4.12	4.43	4.55	4.78	4.69	4.99	4.90	4.79	5.48	5.39	4.86
OTHER HEALTH FIELDS	8.93	9.78	9.38	8.44	8.09	7.97	7.93	7.14	6.66	6.71	6.69	7.04
PRELAW	1.82	2.71	2.43	2.41	2.33	2.29	2.23	1.94	1.88	2.08	2.40	2.74
HUMANITIES	1.27	1.28	1.31	1.30	1.16	1.07	1.03	0.91	0.86	0.86	0.89	1.04
HISTORY & CULTURE	0.42	0.43	0.37	0.32	0.27	0.30	0.26	0.22	0.23	0.21	0.20	0.30
FOREIGN LANGUAGES	0.91	0.94	0.90	0.80	0.71	0.71	0.66	0.59	0.58	0.62	0.64	0.74
STUDIO/PERFORMING ARTS	4.35	5.13	5.40	5.03	4.71	4.38	3.95	3.37	3.27	4.06	4.44	4.83
COMMUNICATIONS	1.62	1.86	2.09	2.05	2.14	2.10	1.96	1.83	1.76	2.34	2.55	3.05
BUSINESS	9.02	11.80	13.08	13.17	13.38	13.26	12.60	11.62	12.43	16.40	17.90	19.61
EDUCATION	3.94	4.08	3.52	3.27	2.90	2.60	2.28	1.97	1.87	2.53	2.83	3.48
VOCATIONAL FIELDS	2.56	3.07	3.16	2.96	3.11	3.22	3.23	2.69	2.40	2.45	2.63	2.77
OTHER/MISSING/UNDECIDED	39.10	30.04	27.68	28.82	28.39	27.90	28.08	35.08	38.02	27.41	23.76	19.36
TOTAL OF NON SCIENCE FIELDS	77.92	75.24	73.76	73.12	71.96	70.47	69.21	72.25	74.74	71.15	70.32	69.84
TOTAL OF ALL EXAMINEES	109555	114746	115034	121433	123024	127392	127452	143388	155694	153707	166252	184223

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	492	490	488	484	484	484	482	482	486	482	480	474
OTHER HEALTH FIELDS	415	413	412	410	407	408	405	405	409	408	408	407
PRELAW	471	476	471	468	467	468	466	465	469	467	465	460
HUMANITIES	496	496	496	496	496	501	504	508	516	520	525	515
HISTORY & CULTURE	478	476	478	481	482	485	490	494	497	498	497	491
FOREIGN LANGUAGES	480	475	475	471	472	475	478	482	486	488	489	479
STUDIO/PERFORMING ARTS	427	422	418	417	418	418	420	420	424	428	431	429
COMMUNICATIONS	459	451	448	444	443	446	445	446	452	451	452	447
BUSINESS	402	401	400	399	398	401	402	403	407	406	407	406
EDUCATION	399	395	391	388	390	393	393	397	403	407	408	407
VOCATIONAL FIELDS	395	389	387	384	383	384	381	382	385	382	385	387
OTHER/MISSING/UNDECIDED	415	418	415	408	408	410	407	410	417	424	415	417
TOTAL OF NON SCIENCE FIELDS	421	421	419	415	415	417	416	418	423	424	422	421
TOTAL OF ALL EXAMINEES	429	429	427	424	424	426	425	426	431	431	430	428

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	507	509	510	506	507	505	502	506	509	507	509	505
OTHER HEALTH FIELDS	440	442	443	443	442	440	437	439	439	436	434	436
PRELAW	486	492	490	488	488	488	484	487	492	492	492	492
HUMANITIES	504	509	510	508	509	511	512	521	531	534	539	533
HISTORY & CULTURE	477	473	476	479	482	483	487	494	498	499	498	495
FOREIGN LANGUAGES	499	494	498	492	498	497	499	507	509	512	519	501
STUDIO/PERFORMING ARTS	443	442	441	437	441	440	440	444	447	451	455	454
COMMUNICATIONS	461	458	455	451	454	456	455	457	461	461	461	461
BUSINESS	420	417	416	415	416	418	418	421	424	425	427	429
EDUCATION	393	390	385	382	385	387	385	391	398	405	406	413
VOCATIONAL FIELDS	417	414	412	409	411	411	410	415	417	408	409	411
OTHER/MISSING/UNDECIDED	421	425	423	417	418	419	416	418	422	436	429	430
TOTAL OF NON SCIENCE FIELDS	434	437	435	431	433	434	432	436	439	441	439	441
TOTAL OF ALL EXAMINEES	443	446	444	441	443	444	444	448	450	451	451	451

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	515	514	510	506	504	502	499	496	500	500	496	489
OTHER HEALTH FIELDS	427	425	423	422	418	419	418	417	421	421	420	418
PRELAW	494	490	483	479	478	478	477	473	478	475	473	468
HUMANITIES	507	507	509	508	505	513	515	518	523	526	532	521
HISTORY & CULTURE	504	511	509	511	510	515	518	520	523	519	515	508
FOREIGN LANGUAGES	493	490	490	486	485	490	493	495	501	501	503	497
STUDIO/PERFORMING ARTS	442	436	430	429	427	428	429	428	433	436	438	435
COMMUNICATIONS	489	480	474	469	467	468	465	466	472	468	467	461
BUSINESS	415	414	414	413	411	414	414	414	419	418	417	414
EDUCATION	420	415	410	407	406	409	409	412	417	420	420	418
VOCATIONAL FIELDS	407	397	396	392	389	390	387	387	388	385	388	389
OTHER/MISSING/UNDECIDED	425	430	428	422	421	422	420	419	425	439	435	433
TOTAL OF NON SCIENCE FIELDS	435	434	432	429	427	429	428	428	434	436	435	432
TOTAL OF ALL EXAMINEES	442	441	439	436	434	437	436	436	441	442	442	438

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	409	409	404	407	415	425	409	417	419	423	416	418
OTHER HEALTH FIELDS	342	338	348	341	345	349	346	351	351	360	355	358
PRELAW	377	377	384	384	381	395	389	389	398	397	400	402
HUMANITIES	342	350	343	347	351	362	365	377	389	405	422	410
HISTORY & CULTURE	335	323	328	332	325	352	354	354	348	369	392	382
FOREIGN LANGUAGES	397	388	371	373	389	402	377	417	407	413	364	374
STUDIO/PERFORMING ARTS	316	316	318	316	321	323	323	335	337	342	351	359
COMMUNICATIONS	340	343	332	339	339	346	344	349	353	355	355	362
BUSINESS	324	326	323	320	325	330	327	333	338	341	343	347
EDUCATION	284	283	278	278	281	283	283	290	291	298	300	313
VOCATIONAL FIELDS	310	305	307	306	312	316	314	312	320	323	327	333
OTHER/MISSING/UNDECIDED	352	346	340	334	336	342	342	346	346	360	340	344
TOTAL OF NON SCIENCE FIELDS	338	334	332	330	334	340	339	344	347	352	348	353
TOTAL OF ALL EXAMINEES	342	341	338	338	342	349	347	350	354	358	355	358

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	393	392	386	386	387	392	391	388	397	398	394	392
OTHER HEALTH FIELDS	315	316	314	314	310	320	314	315	320	324	330	330
PRELAW	370	368	363	361	360	368	370	366	368	380	380	378
HUMANITIES	363	353	354	360	370	373	394	398	390	400	433	429
HISTORY & CULTURE	344	326	356	349	345	370	388	378	359	396	367	389
FOREIGN LANGUAGES	397	387	388	390	384	411	414	408	426	414	414	408
STUDIO/PERFORMING ARTS	314	317	312	314	314	322	321	321	328	338	349	349
COMMUNICATIONS	366	361	360	355	349	365	360	361	367	375	377	374
BUSINESS	305	308	309	308	309	317	318	320	325	330	337	337
EDUCATION	298	298	295	293	294	296	300	306	310	317	323	328
VOCATIONAL FIELDS	289	288	284	289	286	292	297	296	300	300	305	307
OTHER/MISSING/UNDECIDED	341	340	337	331	330	334	340	338	344	359	344	345
TOTAL OF NON SCIENCE FIELDS	326	325	323	323	322	330	331	332	338	344	347	347
TOTAL OF ALL EXAMINEES	330	330	328	328	328	336	337	337	342	347	350	350

MEAN SATV OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	452	451	446	447	448	452	456	455	463	459	460	457
OTHER HEALTH FIELDS	376	375	375	370	367	371	365	365	370	364	369	370
PRELAW	434	440	435	435	429	431	429	425	430	435	438	432
HUMANITIES	480	461	461	461	464	455	465	460	467	479	478	468
HISTORY & CULTURE	456	446	443	465	442	449	446	451	455	469	471	457
FOREIGN LANGUAGES	406	397	397	392	398	391	395	400	399	414	414	410
STUDIO/PERFORMING ARTS	391	387	382	382	379	381	379	378	380	385	390	389
COMMUNICATIONS	435	424	424	414	414	418	414	415	421	421	427	419
BUSINESS	364	361	360	362	361	365	361	362	370	370	372	376
EDUCATION	362	356	355	353	353	357	352	355	362	363	369	367
VOCATIONAL FIELDS	354	346	346	344	345	347	342	337	341	340	342	349
OTHER/MISSING/UNDECIDED	406	405	401	395	393	395	391	406	419	400	387	395
TOTAL OF NON SCIENCE FIELDS	398	393	390	388	386	389	386	394	405	393	390	392
TOTAL OF ALL EXAMINEES	401	397	393	392	390	392	389	395	404	396	395	396

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	108	109	112	110	109	107	106	108	107	107	109	108
OTHER HEALTH FIELDS	98	100	100	100	100	99	98	99	99	99	98	98
PRELAW	108	107	109	108	107	104	105	106	105	104	104	104
HUMANITIES	117	118	121	119	119	118	116	117	118	115	116	116
HISTORY & CULTURE	115	119	121	121	119	118	116	120	118	117	115	115
FOREIGN LANGUAGES	116	116	116	116	115	116	115	117	116	114	113	116
STUDIO/PERFORMING ARTS	108	108	107	106	106	106	104	106	106	106	106	105
COMMUNICATIONS	109	108	108	106	106	105	104	105	105	103	103	102
BUSINESS	97	97	97	97	96	97	96	97	97	98	98	98
EDUCATION	99	99	97	97	96	97	97	98	98	99	98	97
VOCATIONAL FIELDS	103	102	101	101	101	101	100	102	102	99	99	100
OTHER/MISSING/UNDECIDED	110	112	113	112	112	113	111	113	114	115	118	116
TOTAL OF NON SCIENCE FIELDS	109	109	109	108	108	108	107	109	109	108	108	107
TOTAL OF ALL EXAMINEES	110	110	110	110	110	110	109	110	111	110	111	109

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	97	96	99	96	96	94	94	95	96	93	96	93
OTHER HEALTH FIELDS	90	91	92	92	91	92	90	93	92	89	91	91
PRELAW	98	98	102	99	99	96	98	100	98	95	97	96
HUMANITIES	112	112	119	114	115	113	113	112	112	109	113	112
HISTORY & CULTURE	110	111	113	114	113	111	110	115	114	112	112	110
FOREIGN LANGUAGES	118	118	115	113	110	118	109	113	111	110	110	111
STUDIO/PERFORMING ARTS	104	102	103	102	102	101	101	102	102	101	103	100
COMMUNICATIONS	101	101	101	99	99	98	98	101	101	100	102	99
BUSINESS	89	90	91	90	90	91	90	93	92	91	93	92
EDUCATION	93	93	93	92	92	93	94	97	96	99	99	100
VOCATIONAL FIELDS	99	99	100	99	98	98	98	101	101	95	96	95
OTHER/MISSING/UNDECIDED	105	107	108	107	107	107	106	108	108	110	111	110
TOTAL OF NON SCIENCE FIELDS	104	104	105	104	104	104	103	105	104	103	104	102
TOTAL OF ALL EXAMINEES	105	105	106	105	105	104	104	106	106	105	106	104

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	101	99	102	100	99	98	97	97	98	96	95	95
OTHER HEALTH FIELDS	92	94	93	94	94	93	91	92	92	93	92	92
PRELAW	100	100	101	101	100	99	96	98	97	97	96	96
HUMANITIES	109	109	109	109	110	109	107	108	109	108	107	106
HISTORY & CULTURE	105	110	116	112	110	112	108	112	106	112	107	109
FOREIGN LANGUAGES	107	106	106	107	107	105	107	107	105	103	102	104
STUDIO/PERFORMING ARTS	101	101	99	100	99	100	98	99	99	100	100	99
COMMUNICATIONS	99	97	98	98	98	97	97	96	97	96	95	94
BUSINESS	93	93	91	93	92	93	91	92	92	93	92	91
EDUCATION	92	93	91	91	92	93	92	93	93	94	93	92
VOCATIONAL FIELDS	93	92	90	90	91	92	88	90	90	91	92	93
OTHER/MISSING/UNDECIDED	107	110	109	109	109	109	108	107	108	110	113	111
TOTAL OF NON SCIENCE FIELDS	103	103	102	102	102	103	101	101	102	102	101	100
TOTAL OF ALL EXAMINEES	104	104	103	104	104	104	102	103	103	103	103	101

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	103	101	102	98	103	100	101	102	103	99	98	102
OTHER HEALTH FIELDS	88	88	94	88	95	94	91	93	92	89	86	95
PRELAW	100	98	104	103	102	101	101	101	102	98	98	100
HUMANITIES	110	110	115	120	111	116	109	113	125	114	134	129
HISTORY & CULTURE	97	88	92	99	99	114	98	111	106	104	113	113
FOREIGN LANGUAGES	109	124	119	121	97	96	104	127	134	117	106	114
STUDIO/PERFORMING ARTS	90	87	91	92	91	90	92	95	95	95	97	95
COMMUNICATIONS	96	95	92	91	94	96	97	96	95	96	98	97
BUSINESS	86	86	86	85	87	89	87	90	88	90	89	90
EDUCATION	72	71	70	70	73	76	74	79	80	82	82	87
VOCATIONAL FIELDS	84	81	83	82	89	86	86	81	86	85	85	88
OTHER/MISSING/UNDECIDED	113	114	109	106	107	108	107	106	104	117	106	106
TOTAL OF NON SCIENCE FIELDS	102	99	98	97	99	101	99	100	99	102	98	98
TOTAL OF ALL EXAMINEES	102	100	99	99	100	101	100	100	100	102	99	99

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	101	100	100	100	100	102	99	97	100	98	98	99
OTHER HEALTH FIELDS	85	85	84	85	84	87	84	83	85	86	86	87
PRELAW	98	100	98	99	99	100	98	97	97	98	94	94
HUMANITIES	108	105	112	111	116	112	115	114	125	116	120	120
HISTORY & CULTURE	105	99	106	103	97	127	142	132	107	132	99	115
FOREIGN LANGUAGES	111	108	114	101	106	114	111	115	118	113	104	116
STUDIO/PERFORMING ARTS	92	88	86	91	89	93	90	92	93	93	94	97
COMMUNICATIONS	99	98	98	94	94	99	95	95	97	98	95	96
BUSINESS	81	80	79	80	81	86	85	84	86	87	86	86
EDUCATION	80	79	76	78	78	83	85	84	86	82	83	88
VOCATIONAL FIELDS	76	74	68	77	72	76	76	74	76	77	74	81
OTHER/MISSING/UNDECIDED	108	108	109	107	105	106	105	103	105	115	109	108
TOTAL OF NON SCIENCE FIELDS	97	94	93	94	94	97	95	94	96	98	95	95
TOTAL OF ALL EXAMINEES	98	95	94	95	95	98	97	95	97	98	96	96

STANDARD DEVIATION OF SATV FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	122	122	123	121	123	122	120	123	122	122	124	122
OTHER HEALTH FIELDS	105	104	106	103	102	104	103	105	104	104	103	105
PRELAW	117	116	119	116	114	112	114	113	112	112	113	113
HUMANITIES	133	136	139	138	139	139	137	141	141	139	142	141
HISTORY & CULTURE	130	127	132	139	131	128	137	137	135	135	136	124
FOREIGN LANGUAGES	129	124	124	121	128	122	124	130	128	132	127	126
STUDIO/PERFORMING ARTS	114	112	112	110	108	111	108	111	112	111	114	112
COMMUNICATIONS	116	114	113	114	110	111	110	111	111	110	111	111
BUSINESS	101	100	99	98	98	101	99	101	102	103	105	106
EDUCATION	100	96	95	97	96	95	95	98	100	100	103	102
VOCATIONAL FIELDS	103	98	97	97	99	101	98	99	99	98	96	103
OTHER/MISSING/UNDECIDED	119	120	120	119	118	119	116	121	124	122	122	123
TOTAL OF NON SCIENCE FIELDS	117	116	116	115	114	115	114	118	120	118	118	117
TOTAL OF ALL EXAMINEES	118	117	118	116	116	117	116	119	121	119	120	119

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	547	542	537	534	534	533	535	537	539	539	540	534
OTHER HEALTH FIELDS	451	448	447	447	444	440	438	442	447	445	448	452
PRELAW	493	496	493	489	488	486	485	486	489	488	489	490
HUMANITIES	480	477	478	479	481	482	489	491	498	506	513	510
HISTORY & CULTURE	474	467	471	474	472	475	478	480	484	492	492	492
FOREIGN LANGUAGES	482	476	476	474	476	477	479	486	492	496	500	499
STUDIO/PERFORMING ARTS	438	433	432	431	432	431	432	432	438	442	446	449
COMMUNICATIONS	460	450	449	446	446	446	445	447	454	454	459	461
BUSINESS	453	447	447	446	446	446	445	449	455	454	458	461
EDUCATION	426	422	420	418	418	418	418	424	431	434	437	442
VOCATIONAL FIELDS	447	436	436	433	431	430	426	426	431	426	430	433
OTHER/MISSING/UNDECIDED	454	456	454	449	449	448	449	452	460	468	460	463
TOTAL OF NON SCIENCE FIELDS	456	454	452	450	450	450	450	453	460	460	460	463
TOTAL OF ALL EXAMINEES	470	468	467	466	466	467	468	471	475	475	476	476

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	582	579	577	573	571	571	572	571	575	579	584	577
OTHER HEALTH FIELDS	513	511	509	508	507	502	498	499	501	497	498	498
PRELAW	528	530	530	525	524	523	521	522	528	530	533	536
HUMANITIES	514	514	512	511	514	511	516	517	526	535	543	542
HISTORY & CULTURE	491	479	482	485	482	485	485	488	493	501	501	503
FOREIGN LANGUAGES	522	510	522	513	517	511	515	522	529	538	546	536
STUDIO/PERFORMING ARTS	473	470	468	463	465	463	462	462	469	475	477	479
COMMUNICATIONS	490	478	478	473	476	476	475	474	481	485	488	492
BUSINESS	492	484	482	479	480	480	479	481	487	489	493	495
EDUCATION	447	440	437	431	434	434	429	436	445	454	456	463
VOCATIONAL FIELDS	487	478	475	470	470	469	466	467	473	462	462	464
OTHER/MISSING/UNDECIDED	470	472	471	466	466	465	463	464	470	484	479	479
TOTAL OF NON SCIENCE FIELDS	488	488	486	482	482	482	481	483	488	492	492	493
TOTAL OF ALL EXAMINEES	507	506	505	502	503	504	504	506	509	512	513	511

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	542	542	535	535	533	529	532	535	535	536	537	536
OTHER HEALTH FIELDS	451	450	448	449	445	442	440	445	450	447	449	454
PRELAW	491	490	485	483	484	481	480	483	485	484	487	489
HUMANITIES	473	472	475	475	474	478	484	488	492	496	504	502
HISTORY & CULTURE	473	476	475	478	480	478	484	486	491	495	491	490
FOREIGN LANGUAGES	487	485	482	480	481	482	485	491	498	500	504	505
STUDIO/PERFORMING ARTS	442	438	435	435	434	432	433	433	439	440	443	446
COMMUNICATIONS	463	458	455	452	453	451	448	452	460	458	464	466
BUSINESS	443	442	442	444	443	443	442	446	452	450	451	455
EDUCATION	439	436	432	430	428	428	427	433	439	440	443	446
VOCATIONAL FIELDS	434	424	424	423	419	417	415	416	415	408	412	418
OTHER/MISSING/UNDECIDED	453	456	453	450	450	449	450	450	456	470	465	467
TOTAL OF NON SCIENCE FIELDS	453	452	450	449	448	447	448	451	456	458	458	460
TOTAL OF ALL EXAMINEES	461	460	458	458	458	458	459	462	466	465	466	468

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	453	448	447	447	453	458	451	456	454	460	461	459
OTHER HEALTH FIELDS	382	371	383	382	382	382	383	387	387	394	387	394
PRELAW	383	386	398	394	391	400	401	395	404	405	411	418
HUMANITIES	355	348	356	358	365	366	373	364	389	396	409	410
HISTORY & CULTURE	343	336	340	342	343	361	354	342	351	358	381	382
FOREIGN LANGUAGES	393	379	398	375	407	400	387	405	417	432	400	403
STUDIO/PERFORMING ARTS	340	336	340	341	343	344	344	349	353	354	358	369
COMMUNICATIONS	352	347	345	355	351	356	357	359	362	361	362	373
BUSINESS	366	361	364	364	366	365	369	372	376	378	379	388
EDUCATION	324	316	320	322	320	320	318	328	330	331	335	353
VOCATIONAL FIELDS	350	342	350	350	354	355	354	351	361	356	361	368
OTHER/MISSING/UNDECIDED	389	379	378	375	377	381	384	384	388	397	376	383
TOTAL OF NON SCIENCE FIELDS	373	363	366	367	369	372	374	376	380	383	379	387
TOTAL OF ALL EXAMINEES	381	375	378	379	382	386	388	390	394	395	393	398

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	408	403	400	400	406	406	408	413	419	416	417	421
OTHER HEALTH FIELDS	337	333	337	340	337	340	337	342	347	345	351	358
PRELAW	367	363	364	363	366	365	368	373	375	378	382	391
HUMANITIES	345	346	347	344	358	357	369	376	367	379	404	405
HISTORY & CULTURE	340	333	342	344	330	347	363	353	346	373	360	399
FOREIGN LANGUAGES	387	375	381	388	376	395	391	400	408	397	396	406
STUDIO/PERFORMING ARTS	329	326	327	330	328	333	332	333	340	343	349	358
COMMUNICATIONS	349	346	350	348	347	348	348	356	358	362	367	369
BUSINESS	333	329	336	337	338	341	344	349	353	355	360	367
EDUCATION	321	317	320	321	320	322	323	329	334	339	343	355
VOCATIONAL FIELDS	317	313	317	323	322	326	328	328	330	327	328	335
OTHER/MISSING/UNDECIDED	373	366	367	364	361	364	372	371	375	391	371	377
TOTAL OF NON SCIENCE FIELDS	348	341	344	346	346	350	352	356	361	364	364	371
TOTAL OF ALL EXAMINEES	351	346	349	352	352	357	360	363	367	368	369	375

MEAN SATM OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	524	518	517	518	520	520	527	532	534	535	541	535
OTHER HEALTH FIELDS	434	426	431	428	425	426	423	427	432	427	434	438
PRELAW	455	457	460	459	453	452	451	450	454	463	467	469
HUMANITIES	470	451	461	460	467	458	473	471	477	497	503	495
HISTORY & CULTURE	463	449	449	460	447	455	455	457	460	476	478	474
FOREIGN LANGUAGES	437	424	424	427	437	436	433	442	442	455	461	463
STUDIO/PERFORMING ARTS	411	408	408	409	411	409	412	415	415	422	431	434
COMMUNICATIONS	439	426	428	426	424	424	422	426	429	435	440	444
BUSINESS	427	421	423	425	425	426	423	429	435	438	444	450
EDUCATION	393	386	389	388	385	389	390	392	403	407	414	417
VOCATIONAL FIELDS	416	405	405	406	408	407	404	403	405	404	407	415
OTHER/MISSING/UNDECIDED	450	449	447	443	444	444	445	458	473	459	447	455
TOTAL OF NON SCIENCE FIELDS	443	437	437	436	437	438	438	449	459	451	450	453
TOTAL OF ALL EXAMINEES	455	449	451	451	453	454	456	462	469	466	466	467

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	112	114	115	115	112	113	115	114	113	116	118	116
OTHER HEALTH FIELDS	108	108	107	107	107	106	106	107	108	109	111	110
PRELAW	114	113	114	111	111	111	111	112	112	113	115	114
HUMANITIES	113	112	111	111	111	112	111	114	113	116	117	116
HISTORY & CULTURE	113	112	112	114	113	115	114	117	117	119	118	118
FOREIGN LANGUAGES	107	108	107	107	105	107	109	109	108	112	113	113
STUDIO/PERFORMING ARTS	108	106	106	104	104	104	105	106	106	108	110	109
COMMUNICATIONS	109	107	106	105	106	104	104	105	106	106	108	108
BUSINESS	112	110	109	107	107	107	108	109	109	111	113	112
EDUCATION	102	102	100	98	98	99	99	101	102	104	105	105
VOCATIONAL FIELDS	116	114	112	110	111	110	111	111	113	110	111	111
OTHER/MISSING/UNDECIDED	116	116	116	115	116	116	117	118	120	123	125	124
TOTAL OF NON SCIENCE FIELDS	114	114	113	112	112	112	113	114	115	116	117	115
TOTAL OF ALL EXAMINEES	119	118	117	117	117	117	118	119	119	121	122	120

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	99	101	102	101	99	101	102	102	101	101	103	101
OTHER HEALTH FIELDS	104	105	104	105	105	104	106	105	105	105	108	107
PRELAW	107	106	106	105	104	104	107	107	106	106	108	107
HUMANITIES	114	111	114	112	112	111	111	115	112	117	117	116
HISTORY & CULTURE	111	110	111	112	111	116	113	116	116	117	117	117
FOREIGN LANGUAGES	113	113	114	114	111	115	113	114	110	116	116	113
STUDIO/PERFORMING ARTS	110	108	108	107	107	107	108	108	108	111	113	112
COMMUNICATIONS	107	105	105	103	105	103	105	106	106	108	111	109
BUSINESS	106	105	105	103	104	104	105	106	106	108	111	109
EDUCATION	104	103	102	98	100	102	101	104	106	111	112	113
VOCATIONAL FIELDS	112	111	110	108	108	108	111	110	112	108	109	109
OTHER/MISSING/UNDECIDED	115	114	114	113	114	115	115	116	117	120	122	121
TOTAL OF NON SCIENCE FIELDS	114	112	112	111	111	112	113	113	113	115	116	114
TOTAL OF ALL EXAMINEES	117	116	116	115	114	115	117	117	117	119	120	118

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	97	97	98	99	97	98	100	101	99	100	100	99
OTHER HEALTH FIELDS	99	98	97	98	98	97	98	99	99	101	102	102
PRELAW	100	99	100	98	99	99	100	102	101	102	104	102
HUMANITIES	102	101	99	100	102	103	103	106	106	107	108	107
HISTORY & CULTURE	105	103	105	106	104	105	107	110	107	112	110	109
FOREIGN LANGUAGES	100	100	99	99	97	100	103	101	101	104	104	103
STUDIO/PERFORMING ARTS	100	97	98	96	97	97	98	99	99	100	102	102
COMMUNICATIONS	97	96	96	95	95	94	95	96	97	97	100	99
BUSINESS	102	100	100	99	99	98	100	101	101	103	104	103
EDUCATION	96	95	95	94	94	95	95	97	97	99	100	99
VOCATIONAL FIELDS	100	98	97	97	97	96	96	98	98	97	100	100
OTHER/MISSING/UNDECIDED	111	110	110	109	110	110	112	112	112	117	119	117
TOTAL OF NON SCIENCE FIELDS	105	103	102	102	102	102	104	105	105	107	107	106
TOTAL OF ALL EXAMINEES	107	106	105	105	105	105	107	108	108	110	110	108

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	106	106	107	104	108	106	107	105	110	111	113	108
OTHER HEALTH FIELDS	96	94	97	95	100	99	101	99	102	98	95	99
PRELAW	93	95	98	94	99	96	97	97	101	97	100	100
HUMANITIES	91	91	96	97	97	96	87	96	111	101	114	121
HISTORY & CULTURE	82	76	78	88	95	90	84	78	96	87	101	115
FOREIGN LANGUAGES	94	97	107	108	99	101	99	96	102	115	102	113
STUDIO/PERFORMING ARTS	79	80	81	79	84	80	81	86	88	90	92	93
COMMUNICATIONS	85	83	80	84	85	86	84	86	85	89	92	91
BUSINESS	88	92	89	88	91	91	90	93	93	93	96	96
EDUCATION	68	70	69	69	73	69	69	79	80	76	86	90
VOCATIONAL FIELDS	84	83	85	81	91	87	86	86	91	87	92	92
OTHER/MISSING/UNDECIDED	114	114	109	107	110	109	110	111	112	122	111	111
TOTAL OF NON SCIENCE FIELDS	101	99	97	96	100	99	99	101	102	104	102	101
TOTAL OF ALL EXAMINEES	103	104	101	100	104	104	104	105	106	108	108	106

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	96	96	94	93	94	93	96	97	96	96	99	100
OTHER HEALTH FIELDS	75	76	74	75	77	77	75	78	81	79	84	84
PRELAW	81	87	85	83	87	82	83	88	87	87	90	92
HUMANITIES	79	79	84	75	88	85	90	91	94	98	107	100
HISTORY & CULTURE	74	72	78	73	74	87	92	86	91	101	88	102
FOREIGN LANGUAGES	89	87	93	90	91	95	90	99	99	103	95	104
STUDIO/PERFORMING ARTS	72	74	71	72	76	73	75	74	79	78	83	88
COMMUNICATIONS	78	78	78	75	78	78	75	83	82	83	85	87
BUSINESS	72	73	73	73	77	76	77	81	81	81	85	86
EDUCATION	67	69	67	66	67	69	69	76	75	75	80	85
VOCATIONAL FIELDS	66	64	63	67	71	69	69	70	72	71	73	77
OTHER/MISSING/UNDECIDED	106	107	106	102	102	103	105	103	103	116	111	108
TOTAL OF NON SCIENCE FIELDS	87	85	84	83	86	86	87	89	89	92	91	92
TOTAL OF ALL EXAMINEES	88	87	86	86	88	88	90	92	92	93	94	94

STANDARD DEVIATION OF SATM FOR STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	123	125	124	125	122	125	127	125	124	128	129	127
OTHER HEALTH FIELDS	116	115	115	112	113	113	114	115	116	116	118	118
PRELAW	117	118	120	116	115	115	116	114	115	120	120	119
HUMANITIES	120	120	121	120	120	123	120	121	123	126	128	128
HISTORY & CULTURE	120	118	117	127	121	120	125	131	125	126	129	124
FOREIGN LANGUAGES	119	115	113	114	119	117	116	119	119	119	123	123
STUDIO/PERFORMING ARTS	108	105	107	103	106	107	106	110	109	111	114	114
COMMUNICATIONS	114	107	106	108	107	106	104	109	110	109	112	114
BUSINESS	114	113	112	111	111	112	112	113	113	115	119	119
EDUCATION	99	98	97	96	94	95	96	99	104	105	108	108
VOCATIONAL FIELDS	114	110	109	109	111	109	109	112	113	111	111	113
OTHER/MISSING/UNDECIDED	122	122	122	121	120	121	121	125	126	128	130	129
TOTAL OF NON SCIENCE FIELDS	120	119	119	118	118	119	120	123	124	125	126	124
TOTAL OF ALL EXAMINEES	124	124	124	123	123	124	125	127	127	129	131	129

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.32	3.31	3.30	3.28	3.29	3.28	3.28	3.26	3.26			
OTHER HEALTH FIELDS	2.87	2.87	2.87	2.87	2.86	2.84	2.84	2.83	2.84			
PRELAW	2.88	2.92	2.91	2.91	2.89	2.89	2.88	2.86	2.86			
HUMANITIES	2.72	2.71	2.72	2.72	2.71	2.70	2.73	2.72	2.72			
HISTORY & CULTURE	2.67	2.63	2.64	2.63	2.62	2.63	2.63	2.60	2.60			
FOREIGN LANGUAGES	2.88	2.85	2.84	2.84	2.82	2.84	2.83	2.83	2.84			
STUDIO/PERFORMING ARTS	2.60	2.58	2.58	2.58	2.55	2.55	2.56	2.55	2.53			
COMMUNICATIONS	2.61	2.59	2.58	2.57	2.57	2.57	2.56	2.55	2.56			
BUSINESS	2.83	2.82	2.81	2.81	2.80	2.79	2.79	2.78	2.78			
EDUCATION	2.69	2.68	2.67	2.65	2.65	2.65	2.66	2.67	2.67			
VOCATIONAL FIELDS	2.74	2.71	2.70	2.69	2.69	2.70	2.69	2.67	2.67			
OTHER/MISSING/UNDECIDED	2.76	2.73	2.73	2.73	2.73	2.73	2.74	2.74	2.74			
TOTAL OF NON SCIENCE FIELDS	2.80	2.79	2.78	2.78	2.77	2.77	2.78	2.77	2.77			
TOTAL OF ALL EXAMINEES	2.87	2.86	2.85	2.85	2.85	2.86	2.87	2.86	2.85			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.38	3.38	3.36	3.34	3.34	3.35	3.32	3.30	3.31			
OTHER HEALTH FIELDS	3.00	3.01	3.01	3.01	2.99	2.98	2.94	2.95	2.93			
PRELAW	2.93	2.96	2.96	2.95	2.93	2.92	2.90	2.88	2.89			
HUMANITIES	2.73	2.75	2.74	2.72	2.73	2.67	2.72	2.70	2.71			
HISTORY & CULTURE	2.62	2.57	2.58	2.55	2.55	2.56	2.56	2.51	2.55			
FOREIGN LANGUAGES	2.81	2.76	2.82	2.83	2.75	2.80	2.84	2.77	2.85			
STUDIO/PERFORMING ARTS	2.56	2.55	2.55	2.54	2.51	2.51	2.51	2.49	2.48			
COMMUNICATIONS	2.59	2.57	2.55	2.55	2.54	2.55	2.54	2.51	2.53			
BUSINESS	2.82	2.80	2.79	2.77	2.76	2.76	2.75	2.75	2.75			
EDUCATION	2.56	2.56	2.55	2.51	2.52	2.53	2.50	2.53	2.54			
VOCATIONAL FIELDS	2.78	2.77	2.73	2.73	2.71	2.71	2.71	2.72	2.71			
OTHER/MISSING/UNDECIDED	2.72	2.69	2.68	2.68	2.68	2.68	2.69	2.69	2.70			
TOTAL OF NON SCIENCE FIELDS	2.81	2.80	2.78	2.77	2.76	2.76	2.76	2.76	2.76			
TOTAL OF ALL EXAMINEES	2.91	2.90	2.89	2.88	2.89	2.90	2.90	2.90	2.89			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.39	3.38	3.38	3.36	3.36	3.34	3.34	3.32	3.31			
OTHER HEALTH FIELDS	2.90	2.90	2.89	2.90	2.88	2.86	2.87	2.86	2.87			
PRELAW	3.00	3.02	3.00	3.00	3.00	2.98	2.97	2.96	2.95			
HUMANITIES	2.78	2.75	2.77	2.77	2.75	2.76	2.78	2.78	2.77			
HISTORY & CULTURE	2.80	2.80	2.81	2.84	2.80	2.80	2.79	2.84	2.74			
FOREIGN LANGUAGES	2.95	2.92	2.90	2.89	2.88	2.90	2.87	2.90	2.88			
STUDIO/PERFORMING ARTS	2.68	2.66	2.65	2.65	2.62	2.62	2.62	2.62	2.60			
COMMUNICATIONS	2.74	2.73	2.72	2.70	2.70	2.69	2.67	2.66	2.67			
BUSINESS	2.94	2.93	2.93	2.92	2.91	2.89	2.89	2.88	2.88			
EDUCATION	2.78	2.77	2.76	2.73	2.73	2.72	2.74	2.75	2.74			
VOCATIONAL FIELDS	2.79	2.74	2.76	2.75	2.76	2.77	2.76	2.73	2.70			
OTHER/MISSING/UNDECIDED	2.89	2.85	2.86	2.85	2.84	2.84	2.85	2.84	2.84			
TOTAL OF NON SCIENCE FIELDS	2.87	2.86	2.85	2.85	2.84	2.84	2.84	2.84	2.83			
TOTAL OF ALL EXAMINEES	2.91	2.89	2.89	2.89	2.89	2.90	2.90	2.90	2.88			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	2.93	2.90	2.93	2.89	2.93	2.90	2.94	2.83	2.83			
OTHER HEALTH FIELDS	2.54	2.53	2.57	2.55	2.52	2.54	2.51	2.52	2.52			
PRELAW	2.41	2.47	2.46	2.48	2.42	2.45	2.44	2.43	2.43			
HUMANITIES	2.23	2.25	2.24	2.28	2.21	2.28	2.32	2.24	2.17			
HISTORY & CULTURE	2.13	2.23	2.30	2.11	2.27	2.24	2.18	2.00	2.23			
FOREIGN LANGUAGES	2.33	2.16	2.48	2.70	2.39	2.40	2.46	2.03	2.43			
STUDIO/PERFORMING ARTS	2.27	2.28	2.25	2.27	2.23	2.23	2.30	2.25	2.22			
COMMUNICATIONS	2.13	2.18	2.12	2.18	2.18	2.18	2.19	2.15	2.17			
BUSINESS	2.52	2.52	2.48	2.46	2.48	2.47	2.47	2.45	2.42			
EDUCATION	2.30	2.30	2.31	2.28	2.32	2.28	2.31	2.30	2.28			
VOCATIONAL FIELDS	2.51	2.48	2.48	2.43	2.46	2.46	2.45	2.42	2.45			
OTHER/MISSING/UNDECIDED	2.38	2.38	2.37	2.38	2.39	2.42	2.43	2.40	2.41			
TOTAL OF NON SCIENCE FIELDS	2.43	2.43	2.42	2.42	2.43	2.43	2.44	2.42	2.41			
TOTAL OF ALL EXAMINEES	2.51	2.51	2.51	2.51	2.52	2.54	2.56	2.53	2.52			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	2.86	2.82	2.82	2.81	2.83	2.78	2.82	2.81	2.82			
OTHER HEALTH FIELDS	2.51	2.52	2.51	2.49	2.51	2.47	2.47	2.46	2.48			
PRELAW	2.52	2.48	2.50	2.47	2.49	2.45	2.48	2.47	2.52			
HUMANITIES	2.30	2.30	2.29	2.29	2.31	2.38	2.31	2.26	2.24			
HISTORY & CULTURE	2.39	2.26	2.34	2.24	2.38	2.29	2.35	2.36	2.16			
FOREIGN LANGUAGES	2.47	2.33	2.37	2.32	2.34	2.35	2.49	2.37	2.45			
STUDIO/PERFORMING ARTS	2.32	2.31	2.33	2.28	2.27	2.30	2.28	2.24	2.30			
COMMUNICATIONS	2.28	2.31	2.29	2.28	2.27	2.29	2.28	2.29	2.24			
BUSINESS	2.62	2.62	2.58	2.57	2.54	2.53	2.54	2.50	2.50			
EDUCATION	2.42	2.40	2.39	2.35	2.37	2.37	2.35	2.33	2.35			
VOCATIONAL FIELDS	2.47	2.47	2.46	2.49	2.48	2.50	2.48	2.43	2.47			
OTHER/MISSING/UNDECIDED	2.45	2.43	2.43	2.44	2.41	2.48	2.44	2.44	2.42			
TOTAL OF NON SCIENCE FIELDS	2.50	2.50	2.50	2.48	2.48	2.48	2.49	2.46	2.48			
TOTAL OF ALL EXAMINEES	2.52	2.53	2.52	2.51	2.52	2.53	2.54	2.53	2.53			

MEAN GRADE IN MATHEMATICS (0.0 - 4.0 SCALE) OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	3.28	3.28	3.26	3.28	3.29	3.28	3.30	3.29	3.30			
OTHER HEALTH FIELDS	2.80	2.80	2.83	2.82	2.83	2.83	2.82	2.82	2.84			
PRELAW	2.67	2.76	2.79	2.79	2.75	2.75	2.74	2.72	2.75			
HUMANITIES	2.64	2.61	2.62	2.62	2.63	2.63	2.65	2.64	2.64			
HISTORY & CULTURE	2.64	2.51	2.53	2.57	2.52	2.56	2.59	2.55	2.54			
FOREIGN LANGUAGES	2.68	2.65	2.63	2.72	2.72	2.69	2.70	2.64	2.73			
STUDIO/PERFORMING ARTS	2.48	2.49	2.49	2.51	2.47	2.49	2.51	2.52	2.50			
COMMUNICATIONS	2.52	2.47	2.47	2.51	2.49	2.49	2.49	2.48	2.50			
BUSINESS	2.74	2.73	2.74	2.73	2.71	2.73	2.73	2.73	2.75			
EDUCATION	2.54	2.52	2.52	2.54	2.52	2.51	2.55	2.57	2.59			
VOCATIONAL FIELDS	2.62	2.59	2.60	2.63	2.63	2.66	2.66	2.63	2.63			
OTHER/MISSING/UNDECIDED	2.67	2.68	2.67	2.68	2.70	2.69	2.73	2.72	2.73			
TOTAL OF NON SCIENCE FIELDS	2.72	2.71	2.72	2.73	2.73	2.74	2.76	2.76	2.77			
TOTAL OF ALL EXAMINEES	2.80	2.79	2.81	2.82	2.83	2.85	2.88	2.87	2.88			

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	84	84	84	84	83	83	83	82	82	83	83	82
OTHER HEALTH FIELDS	74	73	73	73	72	72	72	71	71	72	72	72
PRELAW	78	78	77	77	77	76	76	75	75	75	76	75
HUMANITIES	76	75	76	75	75	75	75	75	75	75	76	75
HISTORY & CULTURE	74	73	72	73	72	72	72	72	71	72	72	73
FOREIGN LANGUAGES	79	78	78	77	77	77	77	77	77	77	77	77
STUDIO/PERFORMING ARTS	70	69	68	68	68	67	67	66	66	67	67	67
COMMUNICATIONS	72	72	71	71	70	70	70	69	69	70	70	70
BUSINESS	70	69	69	69	69	68	68	68	68	68	69	69
EDUCATION	69	69	68	67	67	67	67	67	67	69	69	69
VOCATIONAL FIELDS	68	67	67	67	66	66	66	65	65	64	65	65
OTHER/MISSING/UNDECIDED	70	69	69	69	69	68	68	68	68	68	68	68
TOTAL OF NON SCIENCE FIELDS	72	71	71	71	70	70	70	70	70	70	70	70
TOTAL OF ALL EXAMINEES	73	73	72	72	72	72	72	72	71	72	72	71

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	85	85	85	84	84	84	83	83	83	84	84	83
OTHER HEALTH FIELDS	76	76	76	76	75	75	74	73	73	73	73	73
PRELAW	78	78	78	77	77	76	76	75	75	76	76	76
HUMANITIES	75	75	75	74	74	73	74	73	73	74	74	74
HISTORY & CULTURE	72	71	70	71	70	70	70	69	69	71	70	71
FOREIGN LANGUAGES	77	77	77	78	76	76	76	76	76	77	77	75
STUDIO/PERFORMING ARTS	69	68	68	67	67	66	66	65	65	65	65	66
COMMUNICATIONS	70	69	69	69	68	68	68	67	67	67	68	68
BUSINESS	69	68	68	68	67	67	67	66	66	67	68	68
EDUCATION	65	65	64	63	63	63	63	63	63	65	65	66
VOCATIONAL FIELDS	69	68	67	67	67	66	66	66	66	65	65	65
OTHER/MISSING/UNDECIDED	69	68	67	67	67	67	67	67	67	66	66	67
TOTAL OF NON SCIENCE FIELDS	72	71	70	70	70	69	69	69	69	69	69	69
TOTAL OF ALL EXAMINEES	73	73	72	72	72	72	72	72	71	71	71	71

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	86	86	86	86	85	85	85	85	84	85	84	84
OTHER HEALTH FIELDS	74	74	73	73	73	72	72	72	72	73	73	73
PRELAW	80	80	79	79	79	78	78	77	77	77	78	77
HUMANITIES	77	77	77	77	76	77	77	77	76	77	77	76
HISTORY & CULTURE	78	78	77	77	77	76	77	77	76	77	77	77
FOREIGN LANGUAGES	81	80	79	79	79	79	79	78	78	78	79	79
STUDIO/PERFORMING ARTS	72	71	70	70	69	69	69	68	67	68	68	68
COMMUNICATIONS	77	76	75	74	74	73	73	72	72	73	72	72
BUSINESS	72	72	72	71	71	71	71	70	70	70	70	70
EDUCATION	72	71	70	70	69	69	69	69	69	70	70	70
VOCATIONAL FIELDS	70	68	68	68	67	67	67	66	65	65	65	65
OTHER/MISSING/UNDECIDED	74	73	73	72	72	72	72	71	71	71	71	72
TOTAL OF NON SCIENCE FIELDS	74	73	73	73	72	72	72	72	71	72	72	72
TOTAL OF ALL EXAMINEES	75	74	74	74	73	73	73	73	73	73	73	72

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	77	77	77	78	77	77	77	75	74	75	75	75
OTHER HEALTH FIELDS	69	69	68	69	68	68	68	67	67	66	66	66
PRELAW	70	69	70	69	69	68	69	67	67	67	69	67
HUMANITIES	65	65	64	65	64	66	65	67	65	66	66	65
HISTORY & CULTURE	64	61	63	63	66	63	63	57	62	60	64	62
FOREIGN LANGUAGES	71	70	73	69	66	66	69	62	73	67	59	61
STUDIO/PERFORMING ARTS	63	63	63	62	62	61	62	61	61	61	60	61
COMMUNICATIONS	63	62	60	62	61	62	61	60	61	59	60	61
BUSINESS	65	65	64	63	63	63	63	63	62	63	63	62
EDUCATION	59	58	59	59	59	59	58	59	56	59	59	59
VOCATIONAL FIELDS	63	63	63	63	62	63	63	61	62	61	62	62
OTHER/MISSING/UNDECIDED	64	61	62	61	61	63	62	61	61	60	60	60
TOTAL OF NON SCIENCE FIELDS	65	64	64	64	64	64	64	63	63	63	63	63
TOTAL OF ALL EXAMINEES	67	66	66	66	66	66	66	66	65	65	65	65

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	76	75	75	75	76	75	75	74	75	76	75	74
OTHER HEALTH FIELDS	67	66	67	66	66	66	65	65	65	66	66	66
PRELAW	72	70	70	70	69	69	69	68	68	69	69	69
HUMANITIES	70	69	68	68	68	68	68	68	68	69	71	70
HISTORY & CULTURE	67	63	66	65	68	66	70	68	65	63	67	71
FOREIGN LANGUAGES	72	72	70	71	71	69	72	70	71	69	70	71
STUDIO/PERFORMING ARTS	64	63	63	63	63	62	62	61	62	62	62	62
COMMUNICATIONS	69	69	67	66	66	67	66	65	65	67	66	65
BUSINESS	66	66	65	65	65	65	65	64	65	65	66	65
EDUCATION	63	63	62	62	61	61	61	61	62	63	64	64
VOCATIONAL FIELDS	63	62	62	63	62	62	62	62	61	63	61	61
OTHER/MISSING/UNDECIDED	65	64	65	64	64	64	65	63	64	64	63	64
TOTAL OF NON SCIENCE FIELDS	67	66	66	66	66	65	66	65	65	66	66	66
TOTAL OF ALL EXAMINEES	67	67	67	67	66	67	67	66	66	67	67	67

MEAN RANK IN CLASS OF STUDENTS INTENDING TO MAJOR IN NON-SCIENCE FIELDS

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	83	83	83	83	82	82	83	82	82	83	83	82
OTHER HEALTH FIELDS	72	72	72	71	71	71	71	71	71	71	72	71
PRELAW	75	75	75	75	74	74	74	72	72	74	74	74
HUMANITIES	75	73	74	73	73	72	73	72	73	75	75	74
HISTORY & CULTURE	72	70	71	73	71	71	68	69	71	72	74	73
FOREIGN LANGUAGES	74	72	72	72	72	72	71	71	72	73	74	72
STUDIO/PERFORMING ARTS	68	67	66	66	66	65	65	66	64	65	66	66
COMMUNICATIONS	72	70	70	69	69	69	69	69	68	69	70	69
BUSINESS	69	68	68	68	68	68	67	67	67	69	69	69
EDUCATION	67	66	65	65	65	64	65	65	65	67	67	67
VOCATIONAL FIELDS	66	65	65	65	65	65	65	64	64	64	65	66
OTHER/MISSING/UNDECIDED	68	67	67	67	67	66	67	67	67	68	68	69
TOTAL OF NON SCIENCE FIELDS	71	70	70	70	69	69	69	69	69	70	71	71
TOTAL OF ALL EXAMINEES	72	71	71	71	71	71	72	71	71	72	73	72

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUAGE DEGREE

(ALL STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	98	98	98	98	98	98	98	98	98	98	98	97
OTHER HEALTH FIELDS	47	49	52	54	54	53	53	54	58	59	60	63
PRELAW	87	87	87	87	86	87	86	85	86	85	86	85
HUMANITIES	59	58	58	60	60	61	62	63	63	65	65	65
HISTORY & CULTURE	61	59	58	60	60	61	62	60	62	63	63	63
FOREIGN LANGUAGES	57	56	56	58	60	61	61	61	62	61	63	63
STUDIO/PERFORMING ARTS	39	38	37	38	38	38	37	37	37	37	37	39
COMMUNICATIONS	45	44	45	44	45	45	44	45	46	45	45	46
BUSINESS	36	36	37	39	40	41	41	42	43	43	43	46
EDUCATION	43	43	43	43	43	42	42	42	43	44	45	47
VOCATIONAL FIELDS	29	29	29	29	30	29	29	30	31	27	26	30
OTHER/MISSING/UNDECIDED	43	41	41	43	43	44	44	45	46	45	44	47
TOTAL OF NON SCIENCE FIELDS	49	49	49	50	50	50	51	52	52	51	51	53
TOTAL OF ALL EXAMINEES	53	52	52	53	54	54	54	55	56	55	55	56

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUATE DEGREE

(WHITE MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	99	99	99	99	99	98	99	98	98	98	98	98
OTHER HEALTH FIELDS	82	83	82	84	83	82	81	79	79	78	75	74
PRELAW	89	89	88	88	88	88	87	87	88	86	86	87
HUMANITIES	65	65	65	67	65	66	65	65	66	67	66	68
HISTORY & CULTURE	61	59	58	59	58	59	60	58	61	60	59	60
FOREIGN LANGUAGES	69	70	67	70	70	69	70	69	70	68	71	64
STUDIO/PERFORMING ARTS	48	45	44	43	43	42	41	42	41	39	39	41
COMMUNICATIONS	41	40	40	40	40	40	39	39	41	40	40	40
BUSINESS	42	41	42	43	44	45	45	46	46	45	46	48
EDUCATION	42	40	39	38	38	37	38	39	40	42	42	45
VOCATIONAL FIELDS	33	31	31	30	31	31	31	32	32	26	25	27
OTHER/MISSING/UNDECIDED	43	40	39	41	41	42	42	42	44	42	41	42
TOTAL OF NON SCIENCE FIELDS	56	55	54	54	54	54	54	55	55	52	51	52
TOTAL OF ALL EXAMINEES	58	56	56	56	56	56	55	56	56	55	54	55

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUATE DEGREE

(WHITE FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	98	97	97	98	98	98	98	98	98	98	98	98
OTHER HEALTH FIELDS	34	37	39	42	43	43	43	45	49	50	53	56
PRELAW	84	85	84	85	85	86	86	85	84	84	85	84
HUMANITIES	53	53	53	55	57	58	59	62	61	63	63	63
HISTORY & CULTURE	60	59	59	62	64	63	65	65	66	67	68	69
FOREIGN LANGUAGES	53	53	53	55	57	59	59	60	61	61	62	63
STUDIO/PERFORMING ARTS	34	33	33	33	34	34	34	34	34	34	35	36
COMMUNICATIONS	44	43	44	43	44	43	45	45	47	45	45	46
BUSINESS	24	25	28	31	33	34	35	36	37	37	37	40
EDUCATION	43	43	44	43	43	43	41	43	43	44	45	47
VOCATIONAL FIELDS	22	22	22	22	23	22	23	24	24	22	23	28
OTHER/MISSING/UNDECIDED	39	38	38	40	42	42	43	45	45	46	46	49
TOTAL OF NON SCIENCE FIELDS	40	41	42	43	44	45	45	47	48	48	48	50
TOTAL OF ALL EXAMINEES	45	45	46	47	48	49	49	51	52	52	52	54

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUATE DEGREE

(BLACK MALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	98	98	99	99	98	98	98	98	97	97	96	97
OTHER HEALTH FIELDS	76	77	78	80	78	75	74	75	75	74	73	70
PRELAW	83	86	85	87	86	84	83	82	82	84	83	82
HUMANITIES	64	56	63	64	60	57	57	63	65	63	67	55
HISTORY & CULTURE	54	40	44	46	46	54	49	44	41	50	55	48
FOREIGN LANGUAGES	79	73	73	66	80	70	64	50	72	60	44	59
STUDIO/PERFORMING ARTS	49	47	47	46	46	43	41	40	42	38	39	42
COMMUNICATIONS	47	43	44	45	46	49	43	40	41	39	37	41
BUSINESS	51	51	51	51	50	49	49	48	46	44	44	47
EDUCATION	40	37	36	35	36	34	33	32	37	34	35	39
VOCATIONAL FIELDS	32	33	35	33	35	34	34	34	33	29	29	32
OTHER/MISSING/UNDECIDED	45	44	45	45	47	47	46	43	48	39	37	40
TOTAL OF NON SCIENCE FIELDS	56	55	55	55	55	54	53	53	53	48	48	50
TOTAL OF ALL EXAMINEES	58	57	57	57	57	56	55	55	55	51	51	52

358

359

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUATE DEGREE

(BLACK FEMALES)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	99	98	98	98	98	98	98	98	98	98	97	97
OTHER HEALTH FIELDS	56	57	58	60	61	59	56	58	60	59	60	64
PRELAW	88	87	88	86	87	85	86	84	84	84	86	85
HUMANITIES	70	66	71	69	71	64	66	66	68	66	70	72
HISTORY & CULTURE	70	59	62	73	58	75	68	64	66	59	74	63
FOREIGN LANGUAGES	74	66	66	73	73	69	75	72	64	61	71	69
STUDIO/PERFORMING ARTS	47	49	46	48	49	46	45	42	44	40	45	47
COMMUNICATIONS	65	69	66	62	62	63	61	60	58	57	59	59
BUSINESS	45	46	47	48	50	50	47	46	48	48	49	51
EDUCATION	56	55	54	54	55	53	52	50	50	50	52	55
VOCATIONAL FIELDS	33	37	37	37	39	40	36	36	36	35	35	39
OTHER/MISSING/UNDECIDED	55	58	58	56	57	58	57	57	55	55	52	54
TOTAL OF NON SCIENCE FIELDS	57	59	59	59	60	60	58	58	59	58	59	61
TOTAL OF ALL EXAMINEES	61	62	62	62	63	62	61	61	61	60	61	63

PERCENT OF STUDENTS INTENDING NOT TO MAJOR IN SCIENCE WHO PLAN TO RECEIVE A GRADUATE DEGREE

(OTHER STUDENTS)

INTENDED MAJOR FIELD	TEST YEAR											
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
PRE-MEDICINE	98	99	98	98	98	98	98	98	98	98	97	97
OTHER HEALTH FIELDS	59	59	64	65	65	65	65	66	68	66	69	70
PRELAW	86	86	88	86	86	86	84	84	85	86	87	87
HUMANITIES	67	66	64	66	64	62	68	65	66	66	68	68
HISTORY & CULTURE	68	66	60	67	61	67	68	67	63	69	70	69
FOREIGN LANGUAGES	58	53	60	59	56	59	57	58	59	57	59	63
STUDIO/PERFORMING ARTS	41	41	41	40	42	41	41	40	41	41	42	43
COMMUNICATIONS	52	48	52	52	50	51	51	52	51	53	54	54
BUSINESS	42	42	43	45	46	46	48	48	49	50	51	54
EDUCATION	47	46	47	48	45	46	46	46	47	48	51	51
VOCATIONAL FIELDS	33	33	35	34	35	34	34	35	36	32	32	36
OTHER/MISSING/UNDECIDED	51	49	49	51	51	50	51	54	55	51	51	55
TOTAL OF NON SCIENCE FIELDS	56	55	57	57	58	58	59	60	61	59	60	62
TOTAL OF ALL EXAMINEES	60	59	60	61	61	61	61	62	63	62	63	64

Appendix A

Student Descriptive Questionnaire: 1977 - 1985

braille, and cassette) are available. Your score report will include a note indicating that you took the test at a nonstandard administration.

If your handicap does not require special arrangements or extended testing time, you should register for the regular national program. If your handicap is temporary (a broken arm, for example), you should register for a later date in the national program *unless* you need to meet an application deadline quickly.

If You Cannot Take Tests on Saturday for Religious Reasons . . .
you can take them at the Sunday administration that follows each Saturday date. In item 6 on your Registration Form, enter the number 1000 in the area for your first-choice test center and enclose with the form a letter of explanation signed by your cleric. Your form and letter must be received by the regular registration deadline. (See the back cover.)

If You Live More Than 100 Miles from the Nearest Test Center . . .
and you want to be tested closer to your home, enter the number 1000 in item 6 of your Registration Form as your first-choice test center and send a letter explaining the situation with your Registration Form. Your form and letter must be received by the regular registration deadline. (See the back cover.)

Student Descriptive Questionnaire (SDQ)

Completing the SDQ gives you a chance to send colleges information about your interests, experiences, activities, and plans, along with your test scores. Your responses may help counselors and admissions officers in advising you about your college plans. Your answers to most of the questions will appear on the score report that will be sent to you, your school, and the colleges and scholarship programs you name to receive reports. Your answers to other questions (the questionnaire identifies which ones) will *not* appear on your score reports but will be used for research and planning by educational institutions.

Mark your answers to the SDQ in item 16 of the Registration Form. You are encouraged to answer all questions, although you may omit the answer to a specific question, if you wish. Most of the questions have been written for students still in high school. If you are no longer in school, answer them as well as you can.

You can delete or change your answers at any time by using an Additional Report Request Form (see pages 13 and 14) or when you register for another test.

Note: If you have previously filled out a Student Descriptive Questionnaire and want to update your answers, record one of the following options at the beginning of the SDQ response area:

(A) Substitute my answers here for my previous answers to the same questions. Keep the other information I gave earlier.
(B) Include only my current answers. Delete all answers I gave earlier.
(C) Delete all my previous answers. I do not wish to have SDQ information in my records.

For further information on changing descriptive information, see page 14.

1. The College Board's Student Search Service is an information service for students, colleges, and governmental scholarship programs. It is free to all students who participate in the ATP and works this way:

   If you ask to participate, colleges and scholarship programs interested in students with your characteristics can ask for and receive your name, address, sex, date of birth, high school, and intended major. The answers you give to the questions that follow may be used to determine if you fit the characteristics colleges have requested in the Student Search Service. Different colleges and scholarship programs will be interested in students with specific characteristics, such as place of residence, range of test scores, intended college majors, ethnic background, and income. For example, a state scholarship program may want to identify all students within that state who are eligible for the Pell Grant program in order to notify them of when and how to apply.

   By participating, you may receive information from a variety of colleges and scholarship programs about their programs, admissions procedures, and financial aid opportunities. The mail you receive may include information from a college well known to you or come from one unfamiliar to you but with the academic program and other features you find important. In either case the Student Search Service can provide you with information you might not otherwise discover.

   Your name will be made available to the Student Search Service only if you answer 'Yes' to this item.

   (Y) Yes, I want to be included in the Student Search Service.
   (N) No, I do not want to be included in the Student Search Service.

2. What kind of high school are you attending?
   (A) Public (B) Other than public

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3. Which of the following best describes your present high school program?

(A) Academic or college preparatory (B) General
(C) Career-oriented (business, vocational, industrial arts)
(D) Other

4. About how many students are there in your high school class?

(A) Fewer than 100 (B) 100-249 (C) 250-499
(D) 500-749 (E) 750 or more

5. What is your most recent high school class rank? (For example, if you are 15th in a class of 100, you are in the second tenth.) If you do not know your rank or rank is not used in your school, give your best estimate.

(A) Highest tenth } top fifth
(B) Second tenth }
(C) Second fifth
(D) Middle fifth
(E) Fourth fifth
(F) Lowest fifth

Questions 6 through 11 ask you to blacken the letter corresponding to the total years of study you expect to complete in certain subject areas. Include in the total only courses you have taken since beginning the ninth grade and those you expect to complete before graduation from high school. Count less than a full year in a subject as a full year. Do not count a repeated year of the same course as an additional year of study.

(A) One year or the equivalent
(B) Two years or the equivalent
(C) Three years or the equivalent
(D) Four years or the equivalent
(E) More than four years or the equivalent
(F) I will not take any courses in the subject area.

6. English

7. Mathematics

8. Foreign Languages

9. Biological Sciences (for example, biology, botany, or zoology)

10. Physical Sciences (for example, chemistry, physics, or earth science)

11. Social Studies (for example, history, government, or geography)

For each of the subject areas in questions 12 through 17, blacken the *latest* year-end or midyear grade you received since beginning the ninth grade. For example, if you are a senior and have not taken biology or any other biological science since your sophomore year, indicate that year-end grade. If you are a junior and have completed the first half of the year in an English course, indicate that midyear grade.

If you received the grade in an advanced, accelerated, or honors course, also blacken the letter H.

(A) Excellent (usually 90-100 or A)
(B) Good (usually 80-89 or B)
(C) Fair (usually 70-79 or C)
(D) Passing (usually 60-69 or D)
(F) Failing (usually 59 or below or F)
(G) Only "pass-fail" grades were assigned and I received a pass.
(H) The grade reported was in an advanced, accelerated, or honors course.

12. English

13. Mathematics

14. Foreign Languages

15. Biological Sciences

16. Physical Sciences

17. Social Studies

18. Will you have completed advanced high school or college-level work before entering college? If so, mark the letter for each field in which you plan to apply for advanced placement, credit-by-examination, or exemption from required courses.

(A) English
(B) Mathematics
(C) Foreign Languages
(D) Biological Sciences
(E) Physical Sciences
(F) Social Studies
(G) Art, Music

19. On the average, how many hours per week do you work in a part-time job? (Exclude vacations.)

(A) None
(B) Less than 6 hours
(C) 6 to 10 hours
(D) 11 to 15 hours
(E) 16 to 20 hours
(F) 21 to 25 hours
(G) 26 to 30 hours
(H) More than 30 hours

20. How much have you participated in community or church groups while in high school?

(A) I have not been a member of any community or church group.
(B) I have belonged to one or two groups but have not participated actively.
(C) I have participated actively in one or two groups but have not held any major offices (for example, president, chairman, or treasurer).
(D) I have participated actively in more than two groups but have not held any major offices.
(E) I have participated actively and have held a major office in at least one community or church group.

21. How much have you participated in athletics in or out of high school?

(A) I have not participated in athletics.
(B) I have participated in individual or intramural athletics.
(C) I have been on one or more varsity teams but have not earned a varsity letter.
(D) I have earned one or more varsity letters in a single sport.
(E) I have earned varsity letters in more than one sport.

22. How much have you participated in clubs and organizations in high school?

(A) I have not been a member of any club or organization.
(B) I have belonged to some organizations but have not held any major offices (for example, president, editor, or class or school representative).
(C) I have held one or two major offices.
(D) I have held three or four major offices.
(E) I have held five or more major offices.

23. During your high school years how many honors or awards (for example, essay contest, debating tournament, science fair, music, art or theater competition, or membership in a scholastic honors group) have you received?

(A) None (B) One or two (C) Three or four
(D) Five or six (E) Seven or more

24. What is the highest level of education you plan to complete beyond high school?
    (A) A two-year specialized training program (for example, electronics or laboratory technician)
    (B) A two-year Associate of Arts degree (A.A.)
    (C) Bachelor's degree (B.A. or B.S.)
    (D) Master's degree (M.A. or M.S.)
    (E) Doctor's or other professional degree (such as M.D. or Ph.D.)
    (F) Other or undecided

25. What is the date of your high school graduation? Blacken month and last two digits of year.

26. When do you expect to enter college? Blacken month and last two digits of year.

Your response to question 27 will not be included in the reports that are sent to you, your school, and the colleges you designate.

27. Do you plan to apply for financial aid at any college?
    (Y) Yes (N) No

28. When you enroll, do you expect to attend college
    (A) full-time (B) part-time

29. When you enroll, do you expect to attend college during the
    (A) day (B) evening

30. Where do you prefer to live during your first two years in college?
    (A) At home
    (B) Single-sex dorm
    (C) Coed dorm
    (D) Fraternity or sorority house
    (E) On-campus apartment
    (F) Off-campus apartment

31. Are you a United States citizen?
    (Y) Yes (N) No

32. Are you a veteran of the United States Armed Forces?
    (Y) Yes (N) No

Questions 33 through 36 are for students who have finished high school and have already attended college. If you have not, go on to the paragraph preceding question 37.

33. Please put the code number of the college you are attending or most recently attended in the spaces provided and blacken the corresponding ovals. See the gray-bordered pages for college code numbers.

34. Are you enrolled in that college now?
    (Y) Yes (N) No

35. Approximately what was your grade point average at that college on a scale of 0 (F) to 4 (A)?
    (A) 3.5 or above
    (B) 3.0-3.4
    (C) 2.5-2.9
    (D) 2.0-2.4
    (E) 1.5-1.9
    (F) Below 1.5
    (G) Not applicable

36. If you expect to transfer credits, at what level do you expect to enter the new college?
    (A) First semester freshman
    (B) Second semester freshman
    (C) First semester sophomore
    (D) Second semester sophomore
    (E) Junior
    (F) Senior

The College Board wants its tests and services to be fair and useful to all candidates. Research based on responses to questions 37 and 38 will help the College Board evaluate and improve its tests and services. Your responses will also be reported to your school and to those colleges that accept such information in order to make sure their programs are fair and useful to students of all racial and ethnic backgrounds.

37. How do you describe yourself?
    (A) American Indian or Alaskan native
    (B) Black or Afro-American or Negro
    (C) Mexican-American or Chicano
    (D) Oriental or Asian-American or Pacific Islander
    (E) Puerto Rican
    (F) White or Caucasian
    (G) Other

38. Is English your best language?
    (Y) Yes (N) No

Your responses to questions 39 and 40 will be used only for research. They will not be included in the score reports that are sent to you, your school, and the colleges you designate.

39. Indicate the highest level of education completed by your father or male guardian.
    (A) Grade school
    (B) Some high school
    (C) High school diploma
    (D) Business or trade school
    (E) Some college
    (F) Bachelor's degree
    (G) Some graduate or professional school
    (H) Graduate or professional degreee

40. Using the list in question 39, indicate the highest level of education completed by your mother or female guardian.

Questions 41 through 43 ask about your parents' financial situation and should be answered in consultation with them. Your individual responses will not be reported to anyone. Only summary responses for groups of students will be reported to colleges and high schools.

41. How many persons are dependent on your parent(s) or legal guardian for financial support? Be sure to include your parent(s) and yourself.
    (A) Two (B) Three (C) Four (D) Five
    (E) Six (F) Seven (G) Eight (H) Nine or more

42. During your first year in college, how many persons dependent on your parent(s) or legal guardian will be in college? Include yourself.
    (A) One (B) Two (C) Three
    (D) Four (E) Five or more

43. What was the approximate income of your parents before taxes last year? Include taxable and nontaxable income from all sources.

(A) Less than $3,000 a year (about $57 a week or less)
(B) Between $3,000 and $5,999 a year (from $58 to $114 a week)
(C) Between $6,000 and $8,999 a year (from $115 to $173 a week)
(D) Between $9,000 and $11,999 a year (from $174 to $230 a week)
(E) Between $12,000 and $14,999 a year (from $231 to $288 a week)
(F) Between $15,000 and $17,999 a year (from $289 to $346 a week)
(G) Between $18,000 and $20,999 a year (from $347 to $403 a week)
(H) Between $21,000 and $23,999 a year
(I) Between $24,000 and $26,999 a year
(J) Between $27,000 and $29,999 a year
(K) Between $30,000 and $34,999 a year
(L) Between $35,000 and $39,999 a year
(M) Between $40,000 and $44,999 a year
(N) Between $45,000 and $49,000 a year
(O) $50,000 a year or more

44. You may want to receive help outside regular course work from the college you plan to attend. If so, blacken the letter for each area in which you may want help.

(A) Counseling about educational plans and opportunities
(B) Counseling about vocational career plans and opportunities
(C) Improving mathematical ability
(D) Finding part-time work
(E) Counseling about personal problems
(F) Increasing reading ability
(G) Developing good study habits
(H) Improving writing ability

Questions 45 and 46 concern your interests in extracurricular activities in high school and your plans to participate in college.

45. Blacken the letter for each activity in which you participated while in high school.

(A) Athletics—interscholastic, intramural, or community
(B) Ethnic or racial activities or organizations
(C) Journalism, debating, or dramatic activities
(D) Art, music, or dance
(E) Preprofessional or departmental clubs—for example, Future Teachers of America, American Society of Civil Engineers
(F) Religious activities or organizations
(G) Social clubs or community organizations
(H) Student government

46. Using the list in question 45, blacken the letter for each activity in which you plan to participate in college.

Questions 47 through 60 concern how you feel you compare with other people your own age in certain areas of ability. For each field, blacken the letter

(A) if you feel you are in the highest 1 percent in that area of ability
(B) if you feel you are in the highest 10 percent in that area of ability
(C) if you feel you are above average in that area of ability
(D) if you feel you are average in that area of ability
(E) if you feel you are below average in that area of ability

47. Acting ability
48. Artistic ability
49. Athletic ability
50. Creative writing
51. Getting along with others
52. Leadership ability
53. Mathematical ability
54. Mechanical ability
55. Musical ability
56. Organizing work
57. Sales ability
58. Scientific ability
59. Spoken expression
60. Written expression

61. From the list on page 10, choose the field that would be your first choice for your college curriculum. Write the number of that field and blacken the corresponding ovals.

62. From the same list, choose the field that would be your second choice. Write the number of that field and blacken the corresponding ovals.

63. From the same list, choose the career field that you think you will pursue after college. Write the number of that field and blacken the corresponding ovals. If your exact choice does not appear, select the one most closely related.

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Fields of Study in Two- and Four-Year Colleges and Career Choices

100 AGRICULTURE
101 agriculture economics
102 agronomy, field crops
103 animal science
104 dairy science
105 farming, ranching
106 fish and game, wildlife management
107 food science
108 horticulture
109 landscaping
110 soil sciences

125 ARCHITECTURE AND ENVIRONMENTAL DESIGN
126 architecture
127 city planning
128 urban development

150 ART
151 art history
152 commercial
153 design
154 fashion design
155 graphic arts
156 interior decorating
157 museum work
158 photography
159 printing
160 studio art

175 BIOLOGICAL SCIENCES
176 bacteriology
177 biochemistry
178 biology
179 biophysics
180 botany
181 ecology
182 marine biology
183 physiology
184 zoology

200 BUSINESS AND COMMERCE
201 accounting
202 advertising
203 business management and administration
204 court reporting
205 finance and banking
206 hotel and restaurant administration
207 industrial management
208 marketing
209 personnel work
210 real estate
211 sales and retailing
212 secretarial studies
213 transportation and commerce

225 COMMUNICATIONS
226 film
227 journalism
228 radio and television

250 COMPUTER SCIENCE AND SYSTEMS ANALYSIS
251 computer science
252 data processing
253 systems analysis

275 EDUCATION
276 agricultural education
277 art education
278 business education
279 child development and nursery education
280 college teaching
281 educational administration
282 education of exceptional children
283 education of the deaf
284 education of the mentally retarded
285 elementary education
286 general education
287 guidance counseling
288 health education
289 home economics education
290 industrial arts education
291 music education
292 physical education
293 recreation
294 secondary education
295 speech therapy
296 vocational trade and industrial education

325 ENGINEERING
326 aerospace and aeronautical engineering
327 agricultural engineering
328 air-conditioning engineering
329 architectural engineering
330 ceramic engineering
331 chemical engineering
332 civil engineering
333 construction and transportation
334 drafting
335 electrical engineering
336 engineering aide
337 engineering design
338 engineering sciences
339 industrial and management engineering
340 industrial laboratory technology
341 instrumentation technology
342 materials science
343 mechanical engineering
344 metallurgical engineering
345 mining and mineral engineering
346 naval architecture and marine engineering
347 nuclear technology
348 petroleum engineering
349 plastics technology
350 quality control technology
351 surveying
352 textile engineering

375 ENGLISH AND LITERATURE
376 creative writing
377 English
378 literature
379 speech

400 ETHNIC STUDIES
401 American Indian studies
402 Black studies
403 Mexican-American studies
404 Spanish-American studies

425 FOREIGN LANGUAGES
426 Classical languages
427 Eastern languages
428 French
429 German
430 interpreting/translating
431 Italian
432 linguistics
433 Russian
434 Spanish

450 FORESTRY AND CONSERVATION

475 GEOGRAPHY

500 HEALTH AND MEDICAL PROFESSIONS
501 dental assisting
502 dental hygiene
503 dental technology
504 health and safety
505 laboratory technology
506 medical assisting
507 medical records librarian
508 medical technology
509 nursing—practical
510 nursing—registered
511 occupational therapy
512 optometry
513 pharmacy
514 physical therapy
515 predentistry/dentistry
516 premedicine/medicine
517 preveterinary medicine/veterinary medicine
518 radiology and X-ray technology

550 HISTORY AND CULTURES
551 American
552 ancient
553 area and regional
554 European

575 HOME ECONOMICS
576 clothing and textiles
577 family relations
578 food and nutrition
579 infant and child care
580 institution management

600 LIBRARY SCIENCE

625 MATHEMATICS
626 statistics

650 MILITARY SCIENCE
651 air science
652 merchant marine
653 military science—army
654 naval science

675 MUSIC
676 composition and theory
677 instrumental music
678 music history
679 voice

700 PHILOSOPHY AND RELIGION
701 ministry
702 philosophy
703 religion
704 theology

725 PHYSICAL SCIENCES
726 astronomy
727 chemistry
728 earth science
729 geology
730 meteorology
731 oceanography
732 physical sciences
733 physics

750 PSYCHOLOGY
751 child psychology
752 experimental psychology
753 general psychology
754 social psychology

775 SOCIAL SCIENCES
776 anthropology
777 correction administration
778 economics
779 fire science
780 foreign service
781 government service/politics
782 industrial relations
783 international relations
784 law enforcement/police science
785 political science
786 prelaw/law
787 public administration
788 social work
789 sociology

800 THEATER ARTS
801 acting
802 dance
803 drama
804 theater arts

825 TRADE AND VOCATIONAL
826 airline hosting
827 automotive maintenance
828 aviation maintenance
829 building construction
830 carpentry
831 cosmetology
832 mortuary service

900 OTHER

999 UNDECIDED

369
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Appendix B

Student Descriptive Questionnaire: 1986

Student Descriptive Questionnaire (SDQ)

Refer to the questions in this section, the Student Descriptive Questionnaire, to complete pages 2 and 3 of your Registration Form.

Although completing the SDQ is voluntary, it enables you to send colleges information about your interests, activities, and plans, along with your test scores. Your responses may help counselors and admissions officers to advise you about your college plans. Your answers to most questions will appear on the score reports that will be sent to you, your high school, and colleges and scholarship programs you name to receive reports. Your answers to other questions (the questionnaire identifies which ones) will *not* appear on any score reports but will be used for research and planning by educational institutions. You are encouraged to answer all questions, but you may skip any question you wish. Most of the questions are addressed to students still in high school. If you are no longer in school, answer them as well as you can.

This SDQ was introduced in 1985-86. If you have not completed the SDQ for any test date since October 1985, you should answer this SDQ because earlier information will not appear on score reports.

Making Changes in Your SDQ

You need to complete this SDQ only once. If you register for a subsequent test date, you can change those answers that you want updated. However, you must answer the entire question because your new answer will completely replace your previous answer. For example, if you have taken a calculus course since the last time you answered the SDQ and want to update your SDQ by including this information, you must record all your previous math courses as well as calculus, even though you recorded these courses the first time you answered the SDQ. Your previous answers to all other questions will continue to be reported as they were to high schools and colleges.

You can make changes in your SDQ at any time by calling College Board ATP, 609-771-7600.

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1 Indicate the total number of years of high school courses (in grades 9 through 12) you have taken or plan to take in each of the subjects listed below. If you have not taken any course in a subject and do not plan to take one in high school, fill in the oval in the "None" column. If you repeat a course, count it only once. If one (or more) of the courses is an advanced placement, accelerated, or honors course, fill in the oval in the "Honors" column.

Arts and Music (for example, art, music, art history, dance, theater)
English (for example, composition, grammar, or literature)
Foreign and Classical Languages
Mathematics
Natural Sciences (for example, biology, chemistry, or physics)
Social Sciences and History (for example, history, government, or geography)

In questions 2–5, using the same guidelines as in question 1, **indicate the total number of years you have taken or plan to take the *specific courses* listed.**

2 **Foreign and Classical Languages**

French
German
Greek
Hebrew
Italian
Latin
Russian
Spanish
Other language courses

3 **Mathematics**

Algebra
Geometry
Trigonometry
Precalculus
Calculus
Computer Math
Other mathematics courses

4 **Natural Sciences**

Biology
Chemistry
Geology or related Earth or Space Sciences
Physics
Other science courses

5 **Social Sciences and History**

U.S. History
U.S. Government or Civics
European History
World History or Cultures
Ancient History
Anthropology
Economics
Geography
Psychology
Sociology
Other social science or history courses

6 **Please enter the *average* grade for all courses** you have already taken in each subject.

If only pass/fail grades were assigned and you received a passing grade, fill in the oval in the "Pass" column. Do not fill in a grade oval if you fill in a "Pass" oval.

- A or excellent (usually 90-100)
- B or good (usually 80-89)
- C or fair (usually 70-79)
- D or passing (usually 60-69)
- E or F or failing (usually 59 or below)
- Pass

Arts and Music
English
Foreign and Classical Languages
Mathematics
Natural Sciences
Social Sciences and History

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For questions 7 through 9, **please provide information about the content of some of your high school courses and related activities out of class.** (You may mark more than one in each subject area.)

7. **English** coursework or experience
   - a. American Literature
   - b. British Literature
   - c. Composition
   - d. Grammar
   - e. Literature of a country other than the United States or Britain
   - f. Literature of different historical periods
   - g. Speaking and listening skills
   - h. English as a second language

8. **Art and Music** coursework or experience
   - a. I have had no coursework or experience in this area.
   - b. Acting or the production of a play
   - c. Art history or art appreciation
   - d. Dance
   - e. Drama or theater for appreciation
   - f. Music history, theory, or appreciation
   - g. Music, instrumental or vocal performance
   - h. Photography or filmmaking
   - i. Studio art and design

9. **Computer** coursework or experience
   - a. I have had no coursework or experience in this area.
   - b. Computer literacy, awareness, or appreciation
   - c. Data processing
   - d. Computer programming (BASIC, COBOL, FORTRAN, PASCAL, etc.)
   - e. Use of the computer to solve math problems
   - f. Use of the computer to solve problems in the social sciences
   - g. Use of the computer to solve problems in the natural sciences
   - h. Use of the computer in English courses
   - i. Word processing (use of the computer in writing letters or preparing papers)

10. **Please indicate your cumulative grade point average** for all academic subjects in high school.
    - A+ (97-100)
    - A (93-96)
    - A– (90-92)
    - B+ (87-89)
    - B (83-86)
    - B– (80-82)
    - C+ (77-79)
    - C (73-76)
    - C– (70-72)
    - D+ (67-69)
    - D (65-66)
    - E or F (below 65)

11. **What is your most recent high school class rank?** (For example, if you are 15th in a class of 100, you are in the second tenth.) If you do not know your rank, please check with your high school guidance counselor. If rank is not used in your school, give your best estimate.
    - a. Highest tenth } in the
    - b. Second tenth } top fifth
    - c. Second fifth
    - d. Middle fifth
    - e. Fourth fifth
    - f. Lowest fifth

12. In addition to regular class work, many students are involved in activities that reflect their abilities and interests. These include community service and involvement, extracurricular and out-of-school activities, and individual endeavors. **Indicate in which grades you participated or will participate in the activities listed below.**

    If you held a major office or position of leadership in an activity (for example, class president, varsity team captain, officer of a statewide organization), fill in the oval in the "Officer" column. Remember to include activities and accomplishments that are not school sponsored as well as your extracurricular activities.

    If you have received an award or special recognition for achievement in an activity (for example, school prize for music or writing, varsity letter, regional science fair prize, state orchestra), fill in the oval in the column marked "Award."

    - Academic honor society
    - Art activity
    - Athletics: Intramural, junior varsity, or community sports
    - Athletics: Varsity or amateur-level sports
    - Career-oriented activity (for example, Future Teachers of America, Future Farmers of America, Future Homemakers)
    - Community or service activity (for example, volunteer work, neighborhood clean-up or patrol, group Scouting, 4-H, Key Club)
    - Computer activity (for example, a user's group, computer club, learning to use a computer on your own)
    - Dance activity
    - Debating or public speaking
    - Ethnic or cross-cultural activity (for example, Black student organization, Hispanic club, international folk dancing)
    - Foreign exchange or study abroad program
    - Foreign language activity
    - Government or political activity (for example, student government, honors council, working on a political campaign, human rights or civil rights activity in your community)
    - Journalism or literary activity (for example, creative writing, yearbook, school newspaper, community newspaper)
    - Junior Reserve Officers Training Corps
    - Music: Instrumental (for example, high school band, community orchestra, solo work)
    - Music: Vocal (for example, glee club, chorus, solo work)
    - Religious activity or organization
    - Science or mathematics activity (for example, math club, ecology or environmental group, science fair project)
    - School-spirit activity (for example, cheerleading, drill team)
    - Theater activity (for example, community or school production, acting, stage crew)
    - Work: Cooperative work program
    - Work: Part-time job, not school related
    - Other activity not listed
    - I have not participated in any of the above activities.

13. **Please indicate the sports in which you have participated.** (You may mark up to six sports.)
    - I have not participated in any sports.
    - a. Archery
    - b. Badminton
    - c. Baseball
    - d. Basketball
    - e. Bowling
    - f. Boxing
    - g. Cross-country
    - h. Diving
    - i. Fencing
    - j. Field hockey
    - k. Football
    - l. Golf
    - m. Gymnastics
    - n. Handball

(continued in next column)

o Horseback riding
p Ice hockey
q Lacrosse
r Paddleball
s Racquetball
t Riflery
u Rowing (crew)
v Rugby
w Sailing
x Skiing
y Skin diving
z Soccer
0 Softball
1 Squash
2 Swimming
3 Table tennis
4 Tennis
5 Track and field
6 Volleyball
7 Water polo
8 Wrestling
9 Other

Questions 14 through 19 ask about the kind of college or university you are interested in attending during your first year in college. There are no "right" or "wrong" answers, and you may mark as many preferences as you like. If you do not have an idea about the kind of college or university you'd like to attend, fill in the last oval, "Undecided."

14. **What type(s) of institution are you interested in attending?** (You may mark more than one.)

a. A four-year college or university
b. A two-year community or junior college
c. A vocational/technical school
d. Undecided

15. **Which of the following are you considering?** (You may mark more than one.)

a. A public university, state college, or community college
b. A private university, college, or junior college (not religiously affiliated)
c. A private, religiously affiliated university, college, or junior college
d. Undecided

16. **What size college(s) are you thinking of attending?** (You may mark more than one.)

a. Less than 1,000 students
b. About 1,000 to 5,000 students
c. About 5,000 to 10,000 students
d. About 10,000 to 20,000 students
e. More than 20,000 students
f. Undecided

17. **What college setting(s) do you prefer?** (You may mark more than one.)

a. Large city or metropolitan area
b. Medium-size city
c. Small city or town
d. Suburban community
e. Rural
f. Undecided

18. **Where would you like to go to college?** (You may mark more than one.)

a. Close to home
b. In my home state
c. In a state bordering mine
d. Beyond states bordering mine
e. Outside the United States
f. Undecided

19. **What type(s) of college are you considering?** (You may mark more than one.)

a. All women or all men
b. Coeducational
c. Undecided

20. **What is the highest level of education you plan to complete beyond high school?** (Mark only one.)

a. Specialized training or certificate program
b. Two-year associate of arts or sciences degree (such as AA, AAS, or AS)
c. Bachelor's degree (such as BA or BS)
d. Master's degree (such as MA, MBA, or MS)
e. Doctoral or related degree (such as PhD, JD, MD, DVM)
f. Other
g. Undecided

A list of both general (bold type) and specific majors or areas of study in college is on page 15. Related areas or majors are indicated in parentheses. Although you do not need to know what your "major" in college will be, we would like you to mark the subject area or areas that interest you. In questions 21, 23, 24, 25, and 26 you may indicate the specific or general areas of study that you are considering. *If you have none*, please fill in number 999 (Undecided).

21. **Indicate the major or area of study that is your first choice.** Write in the code number and fill in the appropriate oval under each digit.

22. **How certain are you about your first choice of major or area of study?**

- Very certain
- Fairly certain
- Not certain

23–26. **Indicate up to four other majors or areas of study that interest you.**

27. The College Board sponsors various services and publications to help students and their families plan for college. Occasionally, we may want to notify you of these opportunities. **Would you and your family like to receive announcements about these services and publications?**

- Yes
- No

28. **Is your parent's address the same as your mailing address on this Registration Form?**

- Yes
- No

29. Some colleges allow well-prepared students to skip required introductory courses and take advanced coursework instead. This exemption is sometimes based upon the results of tests such as Advanced Placement Examinations, Achievement Tests, and tests of the College-Level Examination Program. Some colleges give their own placement or "credit by examination" tests. **Mark each subject area in which you plan to apply for advanced placement, credit by examination, or exemption from courses.**

a. Art
b. Biology
c. Chemistry
d. Computer Science
e. English
f. Foreign Languages
g. Humanities
h. Mathematics
i. Music
j. Physics
k. Social Studies
l. I don't plan to apply for exemption from these courses

30. You may want to receive help outside regular coursework from the college you plan to attend. If so, **indicate each area in which you may want help.**

a. Developing educational plans
b. Developing vocational/career or placement plans
c. Developing better study skills
d. Improving mathematical skills
e. Improving reading skills
f. Improving writing skills
g. I don't plan to ask for help in these areas.

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31. Below is a list of typical activities or clubs in which students participate in college. **Mark each activity you may want to take part in while in college.**

a. Art
b. Athletics: Intramural sports
c. Athletics: Varsity sports
d. Community or service organization
e. Cooperative work or internship program
f. Dance
g. Debating or public speaking
h. Departmental organization (club within my major)
i. Drama or theater
j. Environmental or ecology activity
k. Ethnic activity
l. Foreign study or study abroad program
m. Fraternity, sorority, or social club
n. Honors program or independent study
o. Journalism or literary activity
p. Music: Instrumental performance
q. Music: Vocal performance
r. Religious activity
s. Reserve Officers Training Corps (ROTC, AFROTC, or NROTC)
t. Student government

32. **Do you plan to apply for financial aid at any college?**

- Yes
- No
- I don't know.

33. **Do you plan to look for a part-time job while in college?**

- Yes
- No
- I don't know.

34. **Where do you plan to live during your first year in college?**

a. At home
b. On-campus housing
c. Off-campus housing
d. I don't know.

The College Board wants its tests and services to be fair and useful to all candidates. Research based on responses to questions 35 through 37 will help the College Board evaluate and improve its tests and services. Your responses will also be reported to the colleges you specify that accept such information.

35. **How do you describe yourself?** (Mark only one.)

a. American Indian or Alaskan native
b. Asian, Asian American, or Pacific Islander
c. Black or African American

(continued in next column)

Hispanic background:

d. Mexican American or Chicano
e. Puerto Rican
f. Latin American, South American, Central American, or other Hispanic
g. White
h. Other

36. **What language did you learn to speak first?**

a. English only
b. English and another language
c. Another language

37. **What is your citizenship status?**

a. U.S. citizen
b. Alien, refugee, or permanent resident of the U.S.
c. Citizen of another country

38. Colleges are often interested in contacting prospective students about their campus-based religious clubs and offerings. **Please write in the number of your religious preference or affiliation** and fill in the appropriate oval below each digit. If your religious preference or affiliation is not listed, please fill in number 97, "Other."

01 I prefer not to answer.
03 African Methodist Episcopal
05 Anglican
07 Assembly of God
09 Baptist
11 Southern Baptist Convention
13 Buddhism
15 Christian Church (Disciples of Christ)
17 Christian Reformed Church in America
19 Church of the Brethren
21 Church of Christ
23 United Church of Christ
25 Church of Christ, Scientist (Christian Science)
27 Church of God
29 Church of Jesus Christ of Latter-day Saints
31 Church of the Nazarene
33 Episcopal
35 Hinduism
37 Islam
39 Judaism
41 Lutheran Church in America
43 Lutheran Church — Missouri Synod
45 Mennonite
47 Methodist
49 United Methodist
51 Orthodox Eastern churches
53 Pentecostal
55 Presbyterian Church (U.S.A.)
57 Roman Catholic
59 Seventh-day Adventists
61 Society of Friends (Quaker)
63 Unitarian Universalist Association
65 Wesleyan Church
97 Other
99 No preference or affiliation

Your answers to questions 39 through 42 will *not* be included on your score report or on the reports sent to your high school or any colleges. Your answers to these questions may be used for research purposes or reports about groups of students, but only in ways that ensure your privacy.

39. **Please indicate any permanently disabling condition you have.**

a. None
b. Blindness or other noncorrectable visual impairment
c. Deafness or other hearing impairment
d. Paraplegia
e. Learning disability
f. Other neurological or orthopedic impairment
g. Multiple disabilities
h. Other
i. I prefer not to answer.

40. **How do you think you compare with other people your own age in the following three areas of ability?** For each area, fill in the appropriate response.

- Among the highest 10 percent in this area of ability
- Above average in this area
- Average in this area
- Below average in this area

Mathematical ability
Scientific ability
Writing ability

41. **Indicate the highest level of education completed by your father** (or male guardian) **and your mother** (or female guardian) by filling in the appropriate oval in each column. (Mark only one.)

a. Grade school
b. Some high school
c. High school diploma or equivalent
d. Business or trade school
e. Some college
f. Associate or two-year degree
g. Bachelor's or four-year degree
h. Some graduate or professional school
i. Graduate or professional degree

42. **What was the approximate combined income of your parents before taxes last year?** Include taxable and nontaxable income from all sources.

a. Less than $10,000
b. About $10,000 to $15,000
c. About $15,000 to $20,000
d. About $20,000 to $25,000
e. About $25,000 to $30,000
f. About $30,000 to $35,000
g. About $35,000 to $40,000
h. About $40,000 to $50,000
i. About $50,000 to $60,000
j. About $60,000 to $70,000
k. More than $70,000

College Majors by Academic Area of Study

100 Agriculture and Natural Resources
101 Agriculture business
102 Agriculture economics
103 Agriculture and farm management (farming and ranching)
104 Agriculture forestry and wildlife technologies
105 Agronomy (field crops and crop management)
106 Animal sciences
107 Conservation
108 Dairy science
109 Equestrian science
110 Fish and wildlife management
111 Food science
112 Forestry
113 Horticulture
114 Natural resources management
115 Ornamental horticulture
116 Preveterinary or veterinary medicine
117 Poultry science
118 Soils sciences

130 Architecture and Environmental Design
131 Architecture
132 Architectural technology
133 City community and regional planning and development (*also see* Public Affairs and Services)
134 Environmental design
135 Interior design
136 Landscape architecture
137 Urban design

140 Arts: Visual and Performing (*also see* Education)
141 Applied design (ceramics weaving textile design fashion design jewelry metalsmithing interior decoration commercial art)
142 Art (painting drawing sculpture)
143 Art history and appreciation
144 Cinematography/Film
145 Dance
146 Dramatic arts
147 Graphic arts and industrial design
148 Instrumental music (performance)
149 Music (composition theory)
150 Music history and appreciation
151 Photography
152 Vocal music (performance)

170 Biological (Life) Sciences (*also see* Science Education /s Education)
171 Anatomy
172 Bacteriology
173 Biochemistry
174 Biology
175 Biometrics and biostatistics
176 Biophysics
177 Botany
178 Cell biology (cytology cell physiology)
179 Ecology and environmental science (*also see* Agriculture and Natural Resources)
180 Embryology
181 Entomology
182 Genetics
183 Histology
184 Marine biology
185 Microbiology
186 Molecular biology
187 Neurosciences
188 Nutritional sciences (*also see* Home Economics)
189 Pathology human and animal
190 Pharmacology human and animal
191 Physiology human and animal
192 Plant pathology (*also see* Agriculture and Natural Resources)
193 Plant pharmacology (*also see* Agriculture and Natural Resources)
194 Plant physiology (*also see* Agriculture and Natural Resources)
195 Radiobiology
196 Toxicology
197 Zoology

200 Business and Commerce (*also see* Education)
201 Accounting
202 Advertising (*also see* Communications)
203 Banking and finance
204 Business economics (*also see* Economics in Social Sciences and History)
205 Business management and administration
206 Business statistics
207 Fashion merchandising
208 Hotel/motel and restaurant management (*also see* Home Economics)
209 Insurance and risk management
210 International business
211 Investments and securities
212 Labor and industrial relations
213 Management information systems (*also see* Computer and Information Sciences and Technologies)
214 Marketing
215 Operations research
216 Personnel management
217 Real estate
218 Recreation tourism and travel
219 Transportation and commerce

230 Communications (*also see* Language and Literature and Business and Commerce)
251 Advertising
252 Business and technical writing
253 Film
254 Journalism (printed media)
255 Public relations
256 Radio and television (broadcasting)

300 Computer and Information Sciences and Technologies (*also see* Engineering)
301 Computer programming
302 Computer science
303 Data processing
304 Data systems repair
305 Information systems and sciences
306 Microcomputer software
307 Systems analysis

350 Education
351 Adult and continuing education
352 Agricultural education (*also see* Agriculture and Natural Resources)
353 Art education (*also see* Arts Visual and Performing)
354 Bilingual and bicultural education
355 Business education (*also see* Business and Commerce)
356 Child development and nursery education (*also see* Home Economics and Social Sciences and History)
357 Curriculum and instruction
358 Driver and safety education
359 Education of the culturally disadvantaged
360 Education of the deaf and hearing impaired
361 Education of the emotionally handicapped
362 Education of exceptional children
363 Education of the gifted and talented
364 Education of the mentally handicapped
365 Education of the physically handicapped
366 Education of the visually handicapped
367 Educational administration
368 Educational statistics and research
369 Educational testing evaluation and measurement
370 Elementary education
371 English education (*also see* Language and Literature)
372 Health education (*also see* Health Professions and Allied Services)
373 Higher education
374 Home economics education (*also see* Home Economics)
375 Industrial arts vocational/technical education
376 Mathematics education (*also see* Mathematics)
377 Marketing and distributive education (*also see* Business and Commerce)
378 Music education (*also see* Arts Visual and Performing)
379 Pre-elementary education (kindergarten) (*also see* Social Sciences and History and Home Economics)
380 Physical education
381 Reading education (methodology and theory)
382 School psychology (*also see* Social Sciences and History)
383 Science education (*also see* Biological Sciences and Physical Sciences)
384 Secondary education
385 Social science education (*also see* Social Sciences and History)
386 Special education
387 Specific learning disabilities
388 Speech and hearing education therapy
389 Student counseling and personnel services
390 Teaching of English as a foreign language

400 Engineering and Engineering Technologies
401 Aerospace aeronautical and astronautical engineering
402 Agricultural engineering (*also see* Agriculture and Natural Resources)
403 Architectural engineering (*also see* Architecture and Environmental Design)
404 Bioengineering and biomedical engineering
405 Ceramic engineering
406 Chemical engineering
407 Civil construction and transportation engineering
408 Computer engineering (*also see* Computer and Information Sciences and Technologies)
409 Electrical engineering
410 Engineering and public policy
411 Engineering mechanics
412 Engineering physics
413 Engineering sciences
414 Environmental health engineering
415 Geological engineering
416 Geophysical engineering
417 Industrial engineering
418 Industrial laboratory technology
419 Instrumentation technology
420 Materials engineering
421 Mechanical engineering
422 Mechanical engineering technologies
423 Metallurgical engineering
424 Mining and mineral engineering
425 Naval architecture and marine engineering
426 Nuclear engineering
427 Nuclear technology
428 Ocean engineering
429 Petroleum engineering
430 Plastics technology
431 Surveying and mapping sciences

450 Foreign Languages and Classical Languages
451 African languages (non Semitic)
452 Arabic
453 Classical languages general
454 Chinese
456 Foreign languages multiple emphasis (includes concentration in more than one foreign language without major emphasis in any one language)
456 French
457 German
458 Greek classical
459 Greek modern
460 Hebrew
461 Indic languages (including Hindi and Sanskrit)
462 Italian
463 Japanese
464 Korean
465 Latin
466 Modern languages general
467 Native American languages
468 Portuguese
469 Russian
470 Scandinavian languages
471 Slavic languages (other than Russian)
472 Spanish

480 General and Interdisciplinary Studies
481 General liberal arts and sciences
482 General studies
483 Biological and physical sciences
484 Engineering and other disciplines
485 Humanities and social sciences
486 Women s studies

500 Health Professions and Allied Services
501 Chiropractic (DC or DCM degree)
502 Dental hygiene or assistance
503 Dental laboratory technology
504 Emergency-disaster sciences or technology
505 Environmental health
506 Hospital and health care administration
507 Medical assistant or medical office assistant technologies
508 Medical laboratory technologies
509 Medical records technology and administration
510 Medical social work (medical and psychiatric and specialized rehabilitation services) (*also see* Public Affairs and Services)
511 Nuclear medicine and technologies
512 Nurse anesthetist
513 Nursing
514 Occupational therapy
515 Optometry
516 Osteopathic medicine (DO degree)
517 Pharmacy
518 Physical therapy
519 Physician s assistant
520 Podiatry or podiatric medicine (Pod D or DP degree)
521 Predentistry Dentistry (DDS or DMD degree)
522 Premedical Medical (MD)
523 Preveterinary medicine Veterinary medicine (DVM degree) (*also see* Agriculture and Natural Resources)
524 Public health
525 Radiologic technologies
526 Radiology and X ray technology
527 Recreation therapy
528 Speech pathology and audiology (*also see* Education)
529 Sports medicine
530 Surgical technology

600 Home Economics (*also see* Education and Business and Commerce)
601 Child development care and guidance
602 Clothing and textiles
603 Consumer studies
604 Family relations
605 Foods and nutrition (includes dietetics) (*also see* Agriculture and Natural Resources)
606 Home decoration and home equipment (*also see* Architecture and Environmental Design)
607 Institutional management

620 Language and Literature (*also see* Education)
621 American literature
622 Classics
623 Comparative literature
624 Creative writing
625 English
626 English literature
627 Linguistics (includes phonetics semantics and philology)
628 Speech debate forensic science (includes rhetoric and public address)

640 Library and Archival Sciences
641 Archival science
642 Library assistant
643 Library science
644 Museum studies

650 Mathematics (*also see* Education)
651 Actuarial sciences (*also see* Business and Commerce)
652 Applied mathematics
653 Mathematical and theoretical statistics

670 Military Sciences
671 Aerospace science (Air Force)
672 Coast Guard science
673 Merchant Marine science
674 Military science (Army)
675 Naval science (Navy, Marines)

690 Philosophy, Religion, and Theology
691 Philosophy
692 Religious education
693 Religious studies
694 Theology and theological professions

700 Physical Sciences
701 Analytical chemistry
702 Astronomy
703 Astrophysics
704 Atmospheric sciences and meteorology
705 Chemistry general
706 Earth science
707 Geochemistry
708 Geology
709 Geophysics and seismology
710 Inorganic chemistry
711 Metallurgy
712 Molecular physics
713 Nuclear physics
714 Oceanography
715 Organic chemistry
716 Paleontology
717 Planetary science
718 Pharmaceutical chemistry
719 Physical chemistry
720 Physics general

800 Public Affairs and Services
801 City community and regional planning and development (*also see* Architecture and Environmental Design)
802 Community services general
803 Criminal justice
804 Fire science or protection
805 Funeral services
806 International public service (including foreign service)
807 Law enforcement and corrections
808 Parks and recreation management
809 Public administration
810 Safety administration
811 Social work

850 Social Sciences and History, General (*also see* Public Affairs and Services *and* Education)
851 American history
852 Anthropology
853 Archaeology
854 Child psychology
855 Clinical psychology
856 Criminology
857 Demography
858 Economics (*also see* Business and Commerce)
859 European history
860 Experimental psychology
861 Geography
862 History general
863 Industrial psychology
864 International relations
865 Political science or government
866 Prelaw Law (JD degree)
867 Psychology
868 Social psychology
869 Sociology
870 Area and Ethnic Studies
871 African studies
872 American studies
873 American Indian studies
874 Asian studies
875 Black studies
876 Hispanic American studies
877 Islamic studies
878 Jewish studies
879 Latin American studies
880 Mexican American studies
881 Middle Eastern studies
882 Pacific area studies
883 Russian and slavic studies
884 Spanish American studies

950 Technical and Vocational
951 Air transportation technologies
952 Flight attendant
953 Automotive mechanics
954 Aircraft mechanics
955 Construction trades
956 Carpentry and woodworking
957 Cosmetology
958 Culinary arts
959 Drafting engineering graphics
960 Electronics
961 Heating air conditioning and refrigeration
962 Machine tool technology
963 Masonry (brick cement stone etc.)
964 Plumbing pipefitting steamfitting
965 Precision metalwork
966 Secretarial studies

999 Undecided

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Appendix C

Definitions of Major Field Categories in SCIENCE Tables

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
MATH & STATISTICS	mathematics statistics	mathematics actuarial sciences applied mathematics mathematical & theoretical statistics
COMPUTER SCIENCE	computer science & systems analysis computer science systems analysis	computer & information sciences & technologies computer programming computer science information systems & sciences microcomputer software systems analysis
PHYSICAL SCIENCES		
ASTRONOMY	astronomy	astronomy astrophysics planetary sciences
CHEMISTRY	chemistry	analytical chemistry chemistry, general inorganic chemistry organic chemistry physical chemistry
PHYSICS	physics	molecular physics nuclear physics physics, general

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
ARCHITECTURE/ENVIRON. ENG.	architecture & environmental design architecture	architecture & environmental design architecture environmental design
ENGINEERING		
AEROSPACE ENGINEERING	aerospace & aeronautical engineering	aerospace, aeronautical, & astronautical engineering
ELECTRICAL ENGINEERING	electrical engineering	electrical engineering
CHEMICAL ENGINEERING	chemical engineering	chemical engineering
MECHANICAL ENGINEERING	mechanical engineering	mechanical engineering
CIVIL ENGINEERING	civil engineering	civil engineering
OTHER ENGINEERING	agricultural engin. architectural engin. ceramic engineering construction & transportation engineering engineering engineering sciences industrial & management engineering materials science	agricultural engineering architectural engineering bioengineering & biomedical engineering ceramic engineering computer engineering engineering mechanics engineering physics engineering sciences environmental health engin.

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
OTHER ENGINEERING (Continued)	mining and mineral engineering	geological engineering
	metallurgical engineering	geophysical engineering
	naval architecture & marine engineering	materials engineering
	petroleum engineering	metallurgical engineering
	textile engineering	mining and mineral engineering
	materials science	ocean engineering
		naval architecture & marine eng.
		nuclear engineering
		petroleum engineering
		industrial engineering
		engineering & engineering technologies
LIFE SCIENCES		
AGRICULTURE	agriculture	agriculture & natural resources
	agriculture economics	agriculture business
	agronomy, field crops	agriculture economics
	animal science	agriculture & farm management
	dairy science	agriculture, forestry & wildlife technologies
	farming, ranching	agronomy
	landscaping	animal sciences
	food science	dairy science
	horticulture	equestrian science
	soil sciences	food science
		horticulture
		ornamental horticulture
		poultry science
		soils science
		landscape architecture

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
BIOLOGICAL SCIENCES	biological sciences	biological sciences
	bacteriology	anatomy
	biochemistry	bacteriology
	biology	biochemistry
	biophysics	biology
	botany	biometrics & biostatistics
	ecology	biophysics
	physiology	botany
	zoology	cell biology
		embryology
		entomology
		genetics
		histology
		microbiology
		molecular biology
		neurosciences
		nutritional sciences
		pathology
		pharmacology
		physiology
		plant pathology
		plant pharmacology
		plant physiology
		radiobiology
		toxicology
		zoology

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
EARTH & ENVIRONMENTAL SCIENCES	earth science geology meteorology oceanography marine biology	atmospheric sciences & meteorology earth science geochemistry geology geophysics & seismology oceanography paleontology ecology & environmental sci. marine biology
PSYCHOLOGY		
CHILD PSYCHOLOGY	child psychology	child psychology
GENERAL PSYCHOLOGY	general psychology psychology experimental psychology	psychology industrial psychology experimental psychology clinical psychology
SOCIAL PSYCHOLOGY	social psychology	social psychology

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
SOCIAL SCIENCES		
ECONOMICS	economics	economics
INTERNATIONAL RELATIONS	international relations	international relations
LAW ENFORCEMENT	correction administration law enforcement/police science	criminal justice law enforcement & corrections criminology
POLITICAL SCIENCE	political science	political science or government
SOCIOLOGY	sociology	sociology
OTHER SOCIAL SCIENCES	city planning ethnic studies American Indian studies Black studies Mexican-American studies Spanish-American studies linguistics geography social sciences anthropology fire science foreign service government service/politics industrial relations public administration urban development social work surveying	city, community, & regional planning & development linguistics social work urban design public affairs & services community services, general fire science or protection parks & recreation management international public service public administration safety administration social sciences & history, general anthropology archaeology demography geography area & ethnic studies

(Continued)

Definitions of Major Field Categories in SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
OTHER SOCIAL SCIENCES (Continued)		women's studies African studies American studies American Indian studies Asian studies Black studies Hispanic American studies Islamic studies Jewish studies Latin American studies Mexican American studies Middle Eastern studies Pacific area studies Russian & Slavic studies Spanish American studies surveying & mapping sciences
INTERDISCIPLINARY/ OTHER SCIENCES	physical sciences	physical sciences biological & physical sciences metallurgy

Appendix D

Definitions of Major Field Categories in NON-SCIENCE Tables

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
PRE-MEDICINE	pre-medicine	pre-medicine
OTHER HEALTH FIELDS	predentistry/dentistry	predentistry/dentistry
	preveterinary medicine/ veterinary medicine	preveterinary medicine/ veterinary medicine
	nursing, practical	nursing
	nursing, registered	
	physical therapy	physical therapy
	speech therapy	health professions & allied services
	health & medical professions	chiropractic
	dental assisting	dental hygiene or assistance
	dental hygiene	dental laboratory technology
	dental technology	emergency/disaster sciences or technology
	health & safety	environmental health
	laboratory technology	hospital & health care administration
	medical assisting	medical assistant or medical office assistant technology
	medical records librarian	medical laboratory technology
	medical technology	medical records technology & administration
	occupational therapy	medical social work
	optometry	nuclear medicine & technology
	pharmacy	nurse anesthetist
	radiology & xray technology	occupational therapy
		optometry

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
OTHER HEALTH FIELDS (Continued)		osteopathic medicine pharmacy pharmaceutical chemistry physician's assistant public health radiologic technology radiology & xray technology recreation therapy speech pathology & audiology sports medicine surgical technology
PRELAW	prelaw/law	prelaw/law
HUMANITIES	art history museum work music history English & literature creative writing English literature philosophy philosophy & religion ministry religion theology	art history & appreciation museum studies music history & appreciation language & literature American literature classics comparative literature creative writing English English literature philosophy philosophy, religion, & theology religious education religious studies theology & theological professions

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
HISTORY AND CULTURE	history & cultures American history ancient history area & regional history European history	American history European history history, general
FOREIGN LANGUAGES	French German Spanish foreign languages classical languages Eastern languages interpreting/translating Italian Russian	French German Spanish foreign languages & classical languages African languages Arabic classical languages Chinese Greek, classical Greek, modern Hebrew Indic languages Italian Japanese Korean Latin modern languages native American languages Portuguese Russian Scandinavian languages Slavic languages

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
STUDIO & PERFORMING ARTS	art	arts, visual & performing
	commercial art	applied design
	design	art
	fashion design	cinematography/film
	graphic arts	graphic arts & industrial design
	interior decorating	
	photography	photography
	printing	interior design
	studio art	
	theater arts	
	acting	
	dance	dance
	drama	dramatic arts
	music	instrumental music
	music composition & theory	music (composition, theory)
	instrumental music	vocal music
	voice	
COMMUNICATIONS	communications	communications
	film	advertising
	journalism	business & technical writing
	radio & television	film
		journalism
		public relations
		radio & television

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
BUSINESS	accounting	accounting
	business management & administration	business management & administration
	secretarial studies	secretarial studies
	business & commerce	business & commerce
	advertising	advertising
	court reporting	banking & finance
	finance & banking	business statistics
	hotel & restaurant admin.	fashion merchandising
	industrial management	hotel/motel & restaurant management
	marketing	insurance & risk management
	personnel work	international business
	real estate	investments & securities
	sales & retailing	labor & industrial relations
	transportation & commerce	management information systems
		marketing
		operations research
		personnel management
		real estate
		recreation, tourism, & travel
		transportation & commerce
		business economics

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
EDUCATION	elementary education	elementary education
	secondary education	secondary education
	education	education
	agricultural education	adult & continuing educ.
	art education	agricultural educatioin
	business education	art education
	child development & nursery education	bilingual & bicultural educ.
	educational administration	business education
	education of exceptional children	child development & nursery ed.
	education of the deaf	curriculum & instruction
	education of the mentally retarded	driver & safety education
	general education	educ. of the culturally disadvantaged
	guidance counseling	educ. of the deaf & hearing impaired
	health education	educ. of the emotionally handicapped
	home economics education	educ. of exceptional children
	industrial arts educ.	educ. of gifted & talented
	music education	educ. of mentally handicapped
	physical education	educ. of physically handicapped
	recreation	educ. of visually handicapped
	speech	education administration
	vocational trade & industrial education	educ. statistics & research
		educ. testing, evaluation, & measurement
		English education
		health education
		home economics educ.

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
EDUCATION (Continued)		industrial arts/voc-tech ed. math educ. marketing & distributive ed. music education pre-elementary ed. physical ed. reading ed. school psychology science educ. social science ed. special ed. specific learning disabilities speech & hearing ed/therapy student counseling & personnel services teaching of English as a foreign language
VOCATIONAL FIELDS	home economics clothing & textiles family relations food & nutrition infant & child care institution management data processing air-conditioning engineering engineering aid	home economics child development, care, & guidance clothing & textiles consumer studies family relations foods & nutrition home decoration & home equipment institutional management

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
VOCATIONAL FIELDS (Continued)	engineering design	architectural technology
	drafting	data systems repair
	trade & vocational	technical & vocational
	airline hosting	air transportation technology
	automotice maintenance	flight attendant
	aviation maintenance	automotive mechanics
	building construction	aircraft mechanics
	carpentry	construction trades
	cosmetology	carpentry & woodworking
	mortuary service	cosmetology
	industrial laboratory technology	culinary arts
		drafting/engineering graphics
	instrumentation tech.	electronics
	nuclear technology	refrigeration
	plastics technology	machine tool technology
	quality control tech.	masonry
		plumbing, pipe fitting, steam fitting
		precision metal work
OTHER	military science	military science
	air science	aerospace science
	merchant marine	Coast Guard science
	military science--army	merchant marine science
	naval science	military science--army
	college teaching	naval science
	library science	higher education
	forestry/conservation	general & interdisciplinary studies
	other	

(Continued)

Definitions of Major Field Categories in NON-SCIENCE Tables

Major field (as labeled in table)	Included Prior to 1986	Included in 1986
OTHER (Continued)		general liberal arts & sciences general studies engineering & other disciplines humanities & social sciences speech, debate, forensic sci. archival science library assistant library science conservation fish & wildlife management forestry natural resources management